



No. 22  
31 MAY 2003



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at**  
**<http://pollux.nss.nima.mil/>**



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster\_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<u>Observer</u>	<u>Ship/Organization</u>
QM1(SW) T. J. Smith	CFAS PORT OPERATIONS

**Cover Photo:** The **USS HUE CITY (CG-66)** the first United States Ship to bear this name and only ship named after a battle in the Vietnam War, is the twentieth in the **TICONDEROGA** class of Aegis guided missile cruisers and the fourteenth to be built by Ingalls Shipbuilding in Pascagoula, Mississippi. Her mission is to conduct prompt and sustained combat operations at sea in support of a carrier battle group or amphibious assault group. **HUE CITY** was designed to defend against coordinated saturation attacks involving enemy surface ships, submarines, aircraft and missiles. Additionally, **HUE CITY** is able to engage in offensive actions against the enemy through employment of long-range anti-ship missiles, land attack missiles and gunfire. Commissioned 14 September 1991, the **HUE CITY** has a displacement of 9600 tons fully loaded, is 567 feet long, has a beam of 55 feet and a draft of 34 feet. She carries a crew of 340 Sailors, 27 Chief Petty Officers and 33 Officers. The homeport of the **USS HUE CITY** is Mayport, Florida.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

NM 22/03

# HYDROGRAM

**National Imagery and Mapping Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
\_\_\_\_\_  
NEW PRODUCTS  
OR SERVICES  
\_\_\_\_\_  
IMPORTANT  
CHANGES

**31 May 2003**

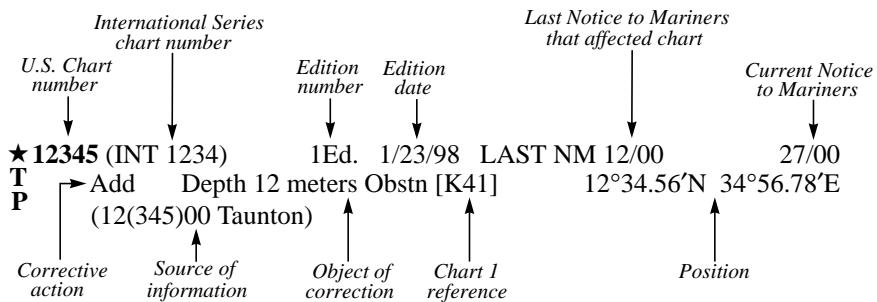
## **SOUTHERN RED SEA AND STRAIT OF BAB EL MANDEB NEW AND AMENDED TRAFFIC SEPARATION SCHEMES**

THE INTERNATIONAL MARITIME ORGANIZATION (IMO) HAS ANNOUNCED THAT NEW AND AMENDED TRAFFIC SEPARATION SCHEMES (TSS's) HAVE BEEN ADOPTED FOR THE SOUTHERN RED SEA AND THE STRAIT OF BAB EL MANDEB EFFECTIVE 0001 GMT 1 JULY 2003. FOR DETAILS, SEE SECTION III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
  - T indicates that it is temporary in nature.
  - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NIMA List of Lights.

**Section II-5** lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 22/03**

<b>411</b>	49Ed. 3/03 LAST NM 19/03 Add Buoy (mooring) Q [Q41] (9/03 CG8)	22/03 28°10'N 90°43'W	<b>11320</b>	1Ed. 9/25/99 LAST NM N28/02 Change Light to "11" Fl G 4s 22ft 5M 27°50'30.9"N 97°03'24.2"W (8/03 CG8)	N22/03
<b>501</b>	(INT 801) 12Ed. 11/02 LAST NM 21/03 Delete Legend "Strobe" (9/03 CG13)	22/03 46°11'N 124°11'W	<b>11326</b>	31Ed. 10/02 LAST NM 21/03 <b>(Page A, Inset 1)</b> Delete Buoy "112"	22/03 29°43'49.4"N 95°01'39.3"W
<b>530</b>	30Ed. 3/23/02 LAST NM 21/03 Change Buoy to RW, Mo(A) WHIS RACON (--) (9/03 CG13)	22/03 46°11'N 124°11'W	Change	Range light, front to QR 30ft, Fl 4s 15ft 5M 29°44'56.8"N 95°03'44.1"W	
<b>1113A</b>	Ed. 3/03 LAST NM 21/03 Add Position circle "Stakes" (PA) (NOS)	22/03 24°29.9'N 82°15.9'W	Add	Light "112" Fl R 4s 29°43'48.5"N 95°01'36.8"W Light "105" Fl G 4s 29°42'29.6"N 95°01'17.1"W	
<b>1116A</b>	Ed. 11/02 LAST NM 21/03 Delete Platform 28°17.1'N 90°29.7'W Note: Dashed-line circle "Obstn" (PA) remains (See 8/03-1116A)	22/03	Delete	<b>(Page B, Inset 3)</b> Depth contour (6-foot) between 29°32'30.7"N 94°53'52.8"W 29°32'33.0"N 94°53'54.0"W	
	Add Buoy (mooring) Q [Q41] Danger circle "Obstn" [K40] (PA) Platform [L10] (9, 10/03 CG8)	28°09.5'N 90°43.4'W 29°05.6'N 91°45.8'W 28°00.6'N 92°51.9'W	Depth 5 feet, blue tint and enclosing depth contour (6-foot) 29°32'28.0"N 94°54'30.0"W		
<b>1117A</b>	Ed. 4/6/02 LAST NM 21/03 Add Danger circle "Obstn" [K40] (PA) (8/03 CG8)	22/03 27°51.2'N 96°41.7'W	Relocate	Light "61" from 29°32'25.8"N 94°54'11.3"W to 29°32'24.1"N 94°54'10.0"W	
<b>11004</b>	7Ed. 10/29/94 LAST NM 21/03 Add Danger circle "Obstn" [K40] (PA) Buoy (mooring) Q [Q41] (8, 9/03 CG8)	22/03 27°51.2'N 96°41.7'W 28°09.5'N 90°43.4'W	Light "62" from 29°32'30.4"N 94°54'03.2"W to 29°32'28.9"N 94°54'01.9"W		
<b>11013</b>	44Ed. 1/19/02 LAST NM 21/03 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W	Add	Dashed line (channel limit) [I22] between 29°32'35.7"N 94°53'12.1"W 29°32'28.8"N 94°54'05.0"W	
<b>11300</b>	38Ed. 4/6/02 LAST NM 21/03 Add Danger circle "Obstn" [K40] (PA) (8/03 CG8)	22/03 27°51.2'N 96°41.7'W	Dashed line (channel limit) [I22] between 29°32'35.7"N 94°53'12.8"W 29°32'31.2"N 94°54'07.0"W		
<b>11307</b>	36Ed. 9/22/01 LAST NM 31/02 Change Light to "11" Fl G 4s 22ft 5M (8/03 CG8)	22/03 27°50'30"N 97°03'23"W	and delete blue tint between above dashed lines		
<b>11309</b>	36Ed. 1/12/02 LAST NM 7/03 Change Light to "11" Fl G 4s 22ft 5M (8/03 CG8)	22/03 27°50'30.9"N 97°03'23.3"W	Legend "8 FT FEB 2003" 29°32'35.3"N 94°53'25.0"W		
<b>11310</b>	1Ed. 9/25/99 LAST NM N46/02 Change Light to "11" Fl G 4s 22ft 5M (8/03 CG8)	22/03 27°50'30.9"N 97°03'23.7"W	Light "1" Fl G 4s 17ft 3M Ra Ref 29°32'35.1"N 94°53'12.2"W		
<b>★11312</b>	3Ed. 10/20/01 LAST NM 7/03 Change Light to "11" Fl G 4s 22ft 5M (8/03 CG8)	22/03 27°50'30.9"N 97°03'23.4"W	Dashed line (channel limit) [I22] between 29°32'28.0"N 94°54'10.0"W 29°32'21.3"N 94°55'04.1"W		
<b>★11313</b>	22Ed. 3/24/01 LAST NM 31/02 Change Light to "11" Fl G 4s 22ft 5M (8/03 CG8)	22/03 27°50'31"N 97°03'21'W	Dashed line (channel limit) [I22] between 29°32'30.7"N 94°54'11.8"W 29°32'24.5"N 94°55'04.8"W		
	Add Danger circle "Obstn" [K40] (PA)	27°51'09"N 96°41'40"W	Legend "8 FT FEB 2003" 29°32'27.5"N 94°54'25.7"W		
<b>11314</b>	22Ed. 3/03 LAST NM 21/03 <b>(Side A)</b> Change Light to "11" Fl G 4s 22ft 5M (8/03 CG8)	22/03 27°50'31"N 97°03'21'W	Light "8" Fl R 4s 17ft 3M Ra Ref 29°32'25.1"N 94°55'04.8"W		
<b>★11316</b>	39Ed. 3/03 LAST NM 17/03 Add Platform [L10] (9/03 CG8)	22/03 28°25'30"N 95°54'23'W	<b>(Page C)</b> Delete Depth 5 feet, blue tint and enclosing depth contour (6-foot) 29°32'28"N 94°54'28"W		
			Relocate Light "61" from 29°32'26"N 94°54'12"W to 29°32'24"N 94°54'10"W		
			Light "62" from 29°32'31"N 94°54'05"W to 29°32'29"N 94°54'02"W		
			Add Dashed line (channel limit) [I22] between 29°32'36"N 94°53'12'W 29°32'29"N 94°54'05"W		
			Dashed line (channel limit) [I22] between 29°32'39"N 94°53'13'W 29°32'31"N 94°54'07'W		
			and delete blue tint between above dashed lines		
			Legend "8 FT 2003" 29°32'42"N 94°53'23'W		
			Light "1" Fl G 4s 17ft 3M Ra Ref 29°32'35"N 94°53'12'W		
			Dashed line (channel limit) [I22] between 29°32'28"N 94°54'10'W 29°32'21"N 94°55'04'W		
			Dashed line (channel limit) [I22] between 29°32'31"N 94°54'12'W 29°32'25"N 94°55'05'W		
			Legend "8 FT 2003" 29°32'32"N 94°54'41'W		
			Light "8" Fl R 4s 17ft 3M Ra Ref 29°32'25"N 94°55'05'W		
			(NOS; 8, 10/03 CG8)		

## SECTION I

<b>★11327</b>	30Ed. 5/26/01 LAST NM 20/03 Delete Dashed line (spoil area limit) between	22/03 29°32'31.0"N 94°53'49.0"W 29°32'33.2"N 94°53'51.1"W	Range light, rear from 29°43'58.1"N 95°01'56.8"W to 29°43'57.6"N 95°01'57.0"W
	Depth 5 feet	29°32'31.4"N 94°53'50.2"W	Change Range light, front to QR 30ft, Fl 4s 15ft 5M 29°44'56.8"N 95°03'44.1"W (See 10/03-11329)
	Depth contour (6-foot) between	29°32'30.4"N 94°53'51.8"W 29°32'32.8"N 94°53'53.2"W	Add Range line extending in 126.7° direction from 29°43'57.6"N 95°01'57.0"W dashed for 720 yards, thence solid for 360 yards
	Depth 5 feet, blue tint and enclosing depth contour (6-foot)	29°32'26.9"N 94°54'29.8"W	Legend "BAYTOWN BEND RANGE" along above range line 29°43'41.0"N 95°01'31.0"W
Relocate	Light "61" from 29°32'25.1"N 94°54'11.1"W to	29°32'24.1"N 94°54'10.0"W	Light "112" Fl R 4s 17ft 4M Ra Ref 29°43'48.5"N 95°01'36.8"W
	Light "62" from 29°32'30.1"N 94°54'03.0"W to	29°32'28.9"N 94°54'01.9"W	Light "105" Fl G 4s 17ft 4M Ra Ref 29°42'29.6"N 95°01'17.1"W
Add	Dashed line (channel limit) [I22] between	29°32'35.7"N 94°53'12.1"W 29°32'28.8"N 94°54'05.0"W	(8-10/03 CG8)
	Dashed line (channel limit) [I22] between	29°32'38.5"N 94°53'12.8"W 29°32'31.2"N 94°54'07.0"W	<b>11330</b> 14Ed. 11/02 LAST NM 21/03 Add Platform [L10]
	and delete blue tint between above dashed lines		22/03 28°48.0'N 92°52.9'W
	Legend "8 FT FEB 2003"	29°32'35.3"N 94°53'25.0"W	
	Light "1" Fl G 4s 17ft 3M Ra Ref	29°32'35.1"N 94°53'12.2"W	<b>★11340</b> 67Ed. 11/02 LAST NM 21/03 Delete Platform
	Dashed line (channel limit) [I22] between	29°32'28.0"N 94°54'10.0"W 29°32'21.3"N 94°55'04.1"W	22/03 28°17.1'N 90°29.7'W Note: Dashed-line circle "Obstn" (PA) remains (See 8/03-11340)
	Dashed line (channel limit) [I22] between	29°32'30.7"N 94°54'11.8"W 29°32'24.5"N 94°55'04.8"W	Add Buoy (mooring) Q [Q41] Danger circle "Obstn" [K40] (PA) Platform [L10]
	Legend "8 FT FEB 2003"	29°32'27.5"N 94°54'25.7"W	28°09.5'N 90°43.4'W 29°05.6'N 91°45.8'W 28°00.6'N 92°51.9'W (9, 10/03 CG8)
	Light "8" Fl R 4s 17ft 3M Ra Ref	29°32'25.1"N 94°55'04.8"W	
(NOS; 8/03 CG8)			<b>★11341</b> 39Ed. 2/03 LAST NM 21/03 Delete Platform
<b>★11328</b>	22Ed. 6/2/01 LAST NM 21/03 Delete Range line between	22/03 29°43'58.1"N 95°01'56.6"W 29°43'35.2"N 95°01'25.9"W	22/03 29°24'43"N 93°25'28"W (8/03 CG8)
	Note: Legend "BAYTOWN...RANGE" remains		
	Buoy "112"	29°43'49.4"N 95°01'39.3"W	<b>★11344</b> 35Ed. 12/02 LAST NM 19/03 Delete Platform
Relocate	Range light, front from 29°43'54.7"N 95°01'51.9"W to	29°43'54.4"N 95°01'52.1"W	22/03 29°36'32"N 93°10'13"W Platform
	Range light, rear from 29°43'58.1"N 95°01'56.6"W to	29°43'57.6"N 95°01'57.0"W	Add Platform [L10]
Add	Range line extending in 126.7° direction from 29°43'57.6"N 95°01'57.0"W	dashed for 775 yards, thence solid for 420 yards	(9, 10/03 CG8)
	Light "112" Fl R 4s 17ft 4M Ra Ref	29°43'48.5"N 95°01'36.8"W	<b>★11351</b> 38Ed. 3/03 LAST NM 20/03 Add Danger circle "Obstn" [K40] (PA)
	Light "105" Fl G 4s 17ft 4M Ra Ref	29°42'29.6"N 95°01'17.1"W	22/03 29°05'38"N 91°45'48"W (10/03 CG8)
(8-10/03 CG8)			<b>★11352</b> 36Ed. 11/02 LAST NM 20/03 Delete Light (2 Q)
<b>★11329</b>	34Ed. 1/12/02 LAST NM 21/03 Delete Range line and legend "BAYTOWN...RANGE" between	22/03 29°43'58.1"N 95°01'56.8"W 29°43'37.9"N 95°01'28.3"W	22/03 29°43.0'N 91°13.0'W (9/03 CG8)
	Buoy "112"	29°43'49.4"N 95°01'39.3"W	<b>11354</b> 23Ed. 9/22/01 LAST NM 20/03 <b>(Side A, Inset 1)</b> Delete Light (2 Q)
Relocate	Range light, front from 29°43'54.6"N 95°01'51.6"W to	29°43'54.4"N 95°01'52.1"W	22/03 29°43'03.8" 91°12'55.6" W (9/03 CG8)
	Range light, rear from 29°43'54.6"N 95°01'51.6"W to	29°43'57.6"N 95°01'57.0"W	<b>11355</b> 24Ed. 6/02 LAST NM 51/02 <b>(Side B)</b> Delete Light (2 Q)
			22/03 29°43'04.2" 91°12'55.6" W (9/03 CG8)
	Light "112" Fl R 4s 17ft 4M Ra Ref	29°43'48.5"N 95°01'36.8"W	<b>★11356</b> 34Ed. 8/4/01 LAST NM 19/03 Add Platform [L10]
	Light "105" Fl G 4s 17ft 4M Ra Ref	29°42'29.6"N 95°01'17.1"W	22/03 28°41'54"N 91°03'09"W (10/03 CG8)
(8-10/03 CG8)			<b>★11363</b> 38Ed. 3/30/02 LAST NM 21/03 Add Platform [L10]
			22/03 29°35'21"N 88°44'52"W Stranded wreck [K24] (PA) (9, 11/03 CG8)
	Buoy "112"	29°43'49.4"N 95°01'39.3"W	<b>11376</b> 48Ed. 12/1/01 LAST NM 21/03 Change Range light, front to QG 30ft, Q 15ft
			22/03 30°15'25"N 88°02'29"W Range light, rear to Iso G 6s 45ft, Fl 4s 17ft 5M 30°15'44"N 88°02'32"W (9/03 CG8)
Relocate	Range light, front from 29°43'54.6"N 95°01'51.6"W to	29°43'54.4"N 95°01'52.1"W	

## SECTION I

**NM 22/03**

<b>★11377</b>	4Ed. 4/6/02 LAST NM 21/03 Change Range light, front to QG 30ft, Q 15ft 5M 30°15'26.5"N 88°02'28.5"W Range light, rear to Iso G 6s 45ft, Fl 4s 17ft 5M 30°15'43.9"N 88°02'32.3"W (9/03 CG8)	22/03	Designation of buoy "22" to "18" 30°42'37"N 81°24'53"W Designation of buoy "23" to "19" 30°42'33"N 81°24'53"W Designation of buoy "24" to "20" 30°42'35"N 81°25'45"W Designation of buoy "25" to "21" 30°42'30"N 81°25'45"W Designation of buoy "28" to "22" 30°42'41"N 81°27'26"W Designation of buoy "29" to "23" 30°42'40"N 81°27'32"W Designation of buoy "30" to "24" 30°42'50"N 81°27'54"W Designation of buoy "31" to "25" 30°42'47"N 81°27'57"W Designation of buoy "32" to "26" 30°43'04"N 81°28'21"W Designation of buoy "33" to "27" 30°43'00"N 81°28'34"W Designation of buoy "34" to "28" 30°43'17"N 81°28'45"W Designation of buoy "35" to "29" 30°43'20"N 81°29'04"W Designation of buoy "36" to "30" 30°43'41"N 81°28'58"W Designation of buoy "37" to "31" 30°44'01"N 81°29'10"W Designation of buoy "38" to "32" 30°44'10"N 81°29'04"W Designation of buoy "39" to "33" 30°44'31"N 81°29'07"W Designation of buoy "40" to "34" 30°44'31"N 81°29'02"W Designation of buoy "41" to "35" 30°44'52"N 81°29'06"W Designation of buoy "42" to "36" 30°45'15"N 81°28'58"W Designation of buoy "43" to "37" 30°45'37"N 81°29'08"W Designation of buoy "44" to "40" 30°45'55"N 81°29'05"W Designation of buoy "45" to "39" 30°45'52"N 81°29'11"W Designation of buoy "47" to "41" 30°46'18"N 81°29'17"W Designation of buoy "49" to "43" 30°46'30"N 81°29'20"W Designation of light "50" to "44" 30°47'03"N 81°29'27"W Designation of buoy "51" to "45" 30°47'03"N 81°29'38"W Designation of light "54" to "48" 30°47'47"N 81°30'19"W Designation of light "56" to "50" 30°48'03"N 81°30'40"W Designation of light "58" to "52" 30°48'10"N 81°30'53"W Designation of light "59" to "53" 30°48'13"N 81°31'11"W Designation of light "60" to "54" 30°48'18"N 81°31'07"W Designation of light "62" to "56" 30°48'25"N 81°31'11"W Designation of light "64" to "58" 30°48'38"N 81°31'13"W Designation of light "66" to "60" 30°48'43"N 81°31'18"W Designation of light "68" to "62" 30°48'42"N 81°31'23"W (13/03 CG7)
<b>11378</b>	32Ed. 1/03 LAST NM 21/03 <b>(Side B)</b> Change Range light, front to QG 30ft, Q 15ft 5M 30°15'26.4"N 88°02'28.5"W Range light, rear to Iso G 6s 45ft, Fl 4s 17ft 5M 30°15'44.0"N 88°02'32.0"W (9/03 CG8)	22/03	
<b>11420</b>	27Ed. 3/03 LAST NM 21/03 Add Position circle "Stakes" (PA) (NOS)	22/03	24°29.9'N 82°15.9'W
<b>11423</b>	7Ed. 8/10/96 LAST NM N21/03 Add Position circle "Stakes" (PA) (NOS)	N22/03	24°29.9'N 82°15.9'W
<b>11434</b>	24Ed. 3/16/02 LAST NM 21/03 Add Position circle "Stakes" (PA) (NOS)	22/03	24°29.9'N 82°15.9'W
<b>11435</b>	13Ed. 9/27/97 LAST NM N21/03 Add Position circle "Stakes" (PA) (NOS)	N22/03	24°29.9'N 82°15.9'W
<b>★11439</b>	25Ed. 2/2/02 LAST NM 15/03 Add Position circle "Stakes" (PA) (NOS)	22/03	24°29'52"N 82°15'56"W
<b>11450</b>	8Ed. 3/30/02 LAST NM 15/03 Relocate Light "2TR" from 25°28.6'N 80°06.8'W to 25°28.8'N 80°06.9'W (13/03 CG7)	22/03	
<b>11451</b>	31Ed. 2/03 LAST NM 20/03 <b>(Page A)</b> Relocate Light "2TR" from 25°28'41"N 80°06'43"W to 25°28'46"N 80°06'55"W (13/03 CG7)	22/03	
<b>11462</b>	24Ed. 3/16/02 LAST NM 28/02 Relocate Light "2TR" from 25°28'40"N 80°06'45"W to 25°28'46"N 80°06'55"W (13/03 CG7)	22/03	
<b>★11463</b>	16Ed. 2/10/01 LAST NM 7/03 Relocate Light "2TR" from 25°28'38.5"N 80°06'44.0"W to 25°28'45.8"N 80°06'54.7"W (13/03 CG7)	22/03	
<b>11465</b>	36Ed. 10/02 LAST NM 52/02 Relocate Light "2TR" from 25°28'38"N 80°06'42"W to 25°28'46"N 80°06'55"W (13/03 CG7)	22/03	
<b>★11485</b>	33Ed. 4/03 NEW EDITION <b>(Side A)</b> Change Height of light to 161ft <b>(Side B)</b> Change Note in upper right margin of chart to "SUPPLEMENTAL INFORMATION" Consult U.S. Coast Pilot 4 for important supplemental information." (NOS; 5/03 CG7)	22/03	29°53'08.1"N 81°17'18.1"W
<b>11489</b>	34Ed. 12/02 LAST NM 20/03 <b>(Side A)</b> Change Light "52" to "46" QR 16ft 4M Designation of buoy "20" to "16" 30°47'33"N 81°29'46"W Designation of buoy "21" to "17" 30°42'34"N 81°23'59"W	22/03	30°47'33"N 81°29'46"W 30°42'39"N 81°23'59"W 30°42'34"N 81°23'59"W
<b>11493</b>	9Ed. 2/3/01 LAST NM N20/03 Change Light "52" to "46" QR 16ft 4M	N22/03	30°47'32.5"N 81°29'46.5"W Designation of buoy "47" to "41" 30°46'19.5"N 81°29'16.5"W Designation of buoy "49" to "43" 30°46'30.2"N 81°29'20.5"W Designation of light "50" to "44" 30°47'03.0"N 81°29'27.8"W Designation of buoy "51" to "45" 30°47'04.1"N 81°29'39.1"W Designation of light "54" to "48" 30°47'48.0"N 81°30'18.5"W Designation of light "56" to "50" 30°48'02.8"N 81°30'40.0"W Designation of light "58" to "52" 30°48'09.6"N 81°30'53.0"W Designation of light "59" to "53" 30°48'13.2"N 81°31'11.3"W Designation of light "60" to "54" 30°48'18.4"N 81°31'06.5"W Designation of light "62" to "56" 30°48'25.0"N 81°31'11.4"W Designation of light "64" to "58" 30°48'38.3"N 81°31'12.7"W Designation of light "66" to "60" 30°48'43.2"N 81°31'17.5"W Designation of light "68" to "62" 30°48'41.8"N 81°31'22.0"W (13/03 CG7)
<b>11494</b>	8Ed. 2/3/01 LAST NM N39/02 Change Designation of buoy "24" to "20" Designation of buoy "25" to "21" Designation of buoy "28" to "22" Designation of buoy "29" to "23" Designation of buoy "30" to "24" Designation of buoy "31" to "25" Designation of buoy "32" to "26" Designation of buoy "33" to "27" Designation of buoy "34" to "28"	N22/03	30°42'35.2"N 81°25'45.5"W 30°42'30.5"N 81°25'45.0"W 30°42'41.2"N 81°27'26.7"W 30°42'37.9"N 81°27'33.5"W 30°42'51.2"N 81°27'54.2"W 30°42'46.8"N 81°27'56.7"W 30°43'04.2"N 81°28'24.5"W 30°43'01.0"N 81°28'33.5"W 30°43'16.3"N 81°28'45.0"W (continued on next page)

<b>11494</b>	(Continued)		
	Designation of buoy "35" to "29"		Designation of buoy "42" to "36"      30°45'14"N 81°28'59"W
	30°43'29.3"N 81°29'03.1"W		Designation of buoy "43" to "37"      30°45'36"N 81°29'08"W
	Designation of buoy "36" to "30"		Designation of buoy "44" to "40"      30°45'55"N 81°29'06"W
	30°43'40.5"N 81°28'58.3"W		Designation of buoy "45" to "39"      30°45'53"N 81°29'11"W
	Designation of buoy "37" to "31"		Designation of buoy "47" to "41"      30°46'20"N 81°29'17"W
	30°44'01.0"N 81°29'10.0"W		Designation of buoy "49" to "43"      30°46'30"N 81°29'20"W
	Designation of buoy "38" to "32"		Designation of light "50" to "44"      30°47'03"N 81°29'28"W
	30°44'09.0"N 81°29'04.0"W		Designation of buoy "51" to "45"      30°47'03"N 81°29'39"W
	Designation of buoy "39" to "33"		Designation of light "47" to "48"      30°47'48"N 81°30'18"W
	30°44'31.1"N 81°29'07.7"W		Designation of light "56" to "50"      30°48'03"N 81°30'40"W
	Designation of buoy "40" to "34"		Designation of light "58" to "52"      30°48'10"N 81°30'53"W
	30°44'30.5"N 81°29'02.0"W		Designation of light "59" to "53"      30°48'13"N 81°31'11"W
	Designation of buoy "41" to "35"		Designation of light "60" to "54"      30°48'18"N 81°31'06"W
	30°44'51.5"N 81°29'06.0"W		Designation of light "62" to "56"      30°48'25"N 81°31'11"W
	Designation of buoy "42" to "36"		Designation of light "64" to "58"      30°48'38"N 81°31'13"W
	30°45'14.5"N 81°28'58.5"W		Designation of light "66" to "60"      30°48'43"N 81°31'17"W
	Designation of buoy "43" to "37"		Designation of light "68" to "62"      30°48'42"N 81°31'22"W
	30°45'35.5"N 81°29'07.9"W		Designation of buoy "16A" to "12"      30°42'42"N 81°22'24"W
	Designation of buoy "44" to "40"		Designation of buoy "17A" to "13"      30°42'37"N 81°22'23"W
	30°45'55.5"N 81°29'05.2"W		
	Designation of buoy "45" to "39"		
	30°45'52.8"N 81°29'11.5"W		
	Designation of buoy "47" to "41"		
	30°46'19.7"N 81°29'16.8"W		
	Designation of buoy "49" to "43"		
	30°46'30.3"N 81°29'20.7"W		
	(13/03 CG7)		
<b>11502</b>	28Ed. 6/2/01 LAST NM 20/03	22/03	
Change	Designation of buoy "10" to "2"	30°42'53"N 81°17'33"W	
	Designation of buoy "11" to "1"	30°42'48"N 81°17'32"W	
	Designation of buoy "12" to "4"	30°42'51"N 81°18'38"W	
	Designation of buoy "13" to "3"	30°42'45"N 81°18'37"W	
	Designation of buoy "14" to "6"	30°42'48"N 81°19'58"W	
	Designation of buoy "14A" to "8"	30°42'45"N 81°20'47"W	
	Designation of buoy "15" to "7"	30°42'42"N 81°20'00"W	
	Designation of buoy "15A" to "9"	30°42'40"N 81°20'48"W	
	Designation of buoy "16" to "10"	30°42'44"N 81°21'33"W	
	Designation of buoy "17" to "11"	30°42'38"N 81°21'34"W	
	Designation of buoy "18" to "14"	30°42'40"N 81°23'11"W	
	Designation of buoy "19" to "15"	30°42'34"N 81°23'11"W	
	Designation of buoy "20" to "16"	30°42'42"N 81°23'57"W	
	Designation of buoy "21" to "17"	30°42'34"N 81°23'59"W	
	Designation of buoy "22" to "18"	30°42'37"N 81°24'53"W	
	Designation of buoy "23" to "19"	30°42'32"N 81°24'54"W	
	Designation of buoy "24" to "20"	30°42'36"N 81°25'45"W	
	Designation of buoy "25" to "21"	30°42'30"N 81°25'45"W	
	Designation of buoy "28" to "22"	30°42'41"N 81°27'26"W	
	Designation of buoy "29" to "23"	30°42'38"N 81°27'33"W	
	Designation of buoy "30" to "24"	30°42'51"N 81°27'54"W	
	Designation of buoy "31" to "25"	30°42'47"N 81°27'57"W	
	Designation of buoy "32" to "26"	30°43'04"N 81°28'24"W	
	Designation of buoy "33" to "27"	30°43'01"N 81°28'33"W	
	Designation of buoy "34" to "28"	30°43'16"N 81°28'45"W	
	Designation of buoy "35" to "29"	30°43'29"N 81°29'03"W	
	Designation of buoy "36" to "30"	30°43'41"N 81°28'58"W	
	Designation of buoy "37" to "31"	30°44'01"N 81°29'10"W	
	Designation of buoy "38" to "32"	30°44'09"N 81°29'04"W	
	Designation of buoy "39" to "33"	30°44'31"N 81°29'07"W	
	Designation of buoy "40" to "34"	30°44'31"N 81°29'02"W	
	Designation of buoy "41" to "35"	30°44'52"N 81°29'06"W	
	(13/03 CG7)		
<b>11502</b>	28Ed. 6/2/01 LAST NM 20/03	22/03	
Change	Designation of buoy "10" to "2"	30°42'53"N 81°17'33"W	
	Designation of buoy "11" to "1"	30°42'48"N 81°17'32"W	
	Designation of buoy "12" to "4"	30°42'51"N 81°18'38"W	
	Designation of buoy "13" to "3"	30°42'45"N 81°18'37"W	
	Designation of buoy "14" to "6"	30°42'48"N 81°19'58"W	
	Designation of buoy "14A" to "8"	30°42'45"N 81°20'47"W	
	Designation of buoy "15" to "7"	30°42'42"N 81°20'00"W	
	Designation of buoy "15A" to "9"	30°42'40"N 81°20'48"W	
	Designation of buoy "16" to "10"	30°42'44"N 81°21'33"W	
	Designation of buoy "17" to "11"	30°42'38"N 81°21'34"W	
	Designation of buoy "18" to "14"	30°42'40"N 81°23'11"W	
	Designation of buoy "19" to "15"	30°42'34"N 81°23'11"W	
	Designation of buoy "20" to "16"	30°42'42"N 81°23'57"W	
	Designation of buoy "21" to "17"	30°42'34"N 81°23'59"W	
	Designation of buoy "22" to "18"	30°42'37"N 81°24'53"W	
	Designation of buoy "23" to "19"	30°42'32"N 81°24'54"W	
	Designation of buoy "24" to "20"	30°42'36"N 81°25'45"W	
	Designation of buoy "25" to "21"	30°42'30"N 81°25'45"W	
	Designation of buoy "28" to "22"	30°42'41"N 81°27'26"W	
	Designation of buoy "29" to "23"	30°42'38"N 81°27'33"W	
	Designation of buoy "30" to "24"	30°42'51"N 81°27'54"W	
	Designation of buoy "31" to "25"	30°42'47"N 81°27'57"W	
	Designation of buoy "32" to "26"	30°43'04"N 81°28'24"W	
	Designation of buoy "33" to "27"	30°43'01"N 81°28'33"W	
	Designation of buoy "34" to "28"	30°43'16"N 81°28'45"W	
	Designation of buoy "35" to "29"	30°43'29"N 81°29'03"W	
	Designation of buoy "36" to "30"	30°43'41"N 81°28'58"W	
	Designation of buoy "37" to "31"	30°44'01"N 81°29'10"W	
	Designation of buoy "38" to "32"	30°44'09"N 81°29'04"W	
	Designation of buoy "39" to "33"	30°44'31"N 81°29'07"W	
	Designation of buoy "40" to "34"	30°44'31"N 81°29'02"W	
	Designation of buoy "41" to "35"	30°44'52"N 81°29'06"W	
	(13/03 CG7)		
<b>11504</b>	15Ed. 4/28/01 LAST NM 12/03	22/03	
Change	Designation of light "59" to "53"	30°48'13.2"N 81°31'11.3"W	
	Designation of light "60" to "54"	30°48'18.4"N 81°31'06.5"W	
	Designation of light "62" to "56"	30°48'25.0"N 81°31'11.4"W	
	Designation of light "64" to "58"	30°48'38.3"N 81°31'12.7"W	
	Designation of light "66" to "60"	30°48'43.2"N 81°31'17.5"W	
	Designation of light "68" to "62"	30°48'41.8"N 81°31'22.0"W	
	(13/03 CG7)		
<b>11505</b>	1Ed. 9/23/00 LAST NM 11/03	22/03	
Add	Tabulation of controlling depths from Subsection I-2		
	(NOS)		
<b>★11506</b>	40Ed. 1/03 LAST NM 19/03	22/03	
Add	Tabulation of controlling depths from Subsection I-2		
	(NOS)		
<b>★11512</b>	59Ed. 1/03 LAST NM 20/03	22/03	
Delete	Range lights (2) and range line between		
	32°09'18"N 81°09'18"W		
	32°09'09"N 81°09'02"W		
Add	Light Fl 2.5s 15ft 5M	32°09'17"N 81°09'17"W	
	Tabulation of controlling depths from Subsection I-2		
	(NOS; 14/03 CG7)		
<b>11514</b>	26Ed. 7/02 LAST NM 15/03	22/03	
(Side A)			
Delete	Range lights (2), range line and legend "RANGE "D"" between		
	32°09'18.0"N 81°09'18.1"W		
	32°09'09.3"N 81°09'03.1"W		
Add	Light Fl 2.5s 15ft 5M	32°09'17.1"N 81°09'16.7"W	
	Tabulation of controlling depths from Subsection I-2		
	(NOS; 14/03 CG7)		
<b>★11524</b>	46Ed. 12/02 LAST NM 20/03	22/03	
Delete	Range lights (2) and range line between		
	32°50'59.2"N 79°55'37.9"W		
	32°49'32.4"N 79°55'49.2"W		
Add	Range light, front Q 16ft	32°50'59.7"N 79°55'41.5"W	
	Range light, rear Iso 6s 33ft	32°51'05.6"N 79°55'41.1"W	
	Range line extending in 002°30' direction from above rear light		
	dashed for 1100 yards, thence solid for 2000 yards		
	(14/03 CG7)		

## SECTION I

NM 22/03

<b>11541</b>	33Ed. 11/02 LAST NM 14/03 <b>(Side A)</b>	22/03	<b>★14853</b>	13Ed. 12/01 LAST NM 21/03 <b>(Page 13)</b>	22/03
Change	Legend to "16 FT MID 80 FT"	34°43'30"N 76°40'10"W	Change	Legend to "25 FEET FOR WIDTH OF 800-1200 FEET NOV 1996 -OCT 2002"	42°20'50"N 82°56'52"W
	Light to F 55ft (Day), FG (Night), Fl 2.5s 20ft 3M (See 8/03-11541) (NOS; 17/03 CG5)	34°42'45"N 76°39'39"W		<b>(Page 14)</b> Legend to "25 FEET FOR WIDTH OF 800-1200 FEET NOV 1996 -OCT 2002"	42°20'45"N 82°57'00"W
<b>11545</b>	60Ed. 9/02 LAST NM 14/03 Change Legend to "16 FT MID 80 FT"	22/03		Legend to "25 FEET FOR WIDTH OF 800-1200 FEET NOV 1996 -OCT 2002"	42°21'24"N 82°55'27"W
	Light to F 55ft (Day), FG (Night), Fl 2.5s 20ft 3M (See 6/03-11545) (NOS; 17/03 CG5)	34°42'45"N 76°39'39"W		<b>(Page 16)</b> Legend to "25 FEET FOR WIDTH OF 800-1200 FEET NOV 1996 -OCT 2002"	42°21'36"N 82°54'50"W
<b>★11547</b>	35Ed. 3/30/02 LAST NM 14/03 Change Legend to "16 FT MID 80 FT"	22/03	<b>16700</b>	27Ed. 3/9/02 LAST NM 16/03 Substitute Depth 4 fathoms for 5 1/4 fathoms	22/03
	Light to F 55ft (Day), FG (Night), Fl 2.5s 20ft 3M (See 6/03-11547) (NOS; 17/03 CG5)	34°43'26.0"N 76°40'09.0"W		Depth 4 1/2 fathoms for 6 1/4 fathoms	60°05.0'N 148°05.6'W
				Depth 2 1/2 fathoms for 2 3/4 fathoms	60°03.9'N 148°07.5'W
<b>★12225</b>	54Ed. 4/03 NEW EDITION (NOS)	22/03	<b>16701</b>	18Ed. 3/9/02 LAST NM 9/03 Delete Depth 2 3/4 fathoms	22/03
<b>12230</b>	59Ed. 10/02 LAST NM 14/03 Delete Ra Ref from light "15A" (17/03 CG5)	22/03		Depth 4 fathoms for 5 1/4 fathoms	60°05'03"N 148°05'34"W
		38°14'34"N 75°51'12"W		Depth 4 1/2 fathoms for 6 fathoms	60°04'43"N 148°05'15"W
				Depth 2 1/4 fathoms for 3 fathoms	60°05'14"N 148°04'49"W
<b>★12248</b>	39Ed. 2/9/02 LAST NM 15/03 Delete Depth 24 feet	22/03		Depth 4 1/2 fathoms for 6 1/4 fathoms	60°04'32"N 148°06'07"W
	Depth 23 feet	37°11'01"N 76°38'00"W		Depth 2 1/4 fathoms for 4 1/2 fathoms	60°03'42"N 148°06'17"W
	Depth 23 feet	37°10'35"N 76°37'57"W			
	Depth 23 feet	37°10'27"N 76°37'58"W			
	Depth 23 feet	37°10'15"N 76°37'59"W			
	Change Legend to "25 FT FOR WIDTH OF 300 FT OCT-NOV 2002"	37°12'13"N 76°38'57"W	<b>16702</b>	10Ed. 6/13/98 LAST NM 13/03 Delete Depth 3 1/4 fathoms	22/03
	(NOS)			Depth 4 fathoms	60°04'38"N 148°04'46"W
<b>★12261</b>	28Ed. 7/02 LAST NM 18/03 Delete Ra Ref from light "15A" (17/03 CG5)	22/03			60°03'54"N 148°07'26"W
		38°14'35"N 75°51'11"W			
<b>12285</b>	35Ed. 1/03 LAST NM 19/03 <b>(Page E)</b>	22/03		Substitute Depth 4 fathoms for 5 1/4 fathoms	60°05'03"N 148°05'34"W
	Relocate Light from 38°38'08"N 77°07'46"W to (17/03 CG5)	38°38'04"N 77°07'45"W		Depth 3 3/4 fathoms for 6 fathoms	60°04'50"N 148°04'32"W
				Depth 1/2 fathom for 3 1/4 fathoms	60°04'45"N 148°04'32"W
				Depth 4 1/2 fathoms for 6 fathoms	60°04'43"N 148°05'15"W
				Depth 1 1/4 fathoms for 2 1/2 fathoms	60°04'23"N 148°05'28"W
				Depth 4 1/2 fathoms for 6 1/4 fathoms	60°04'32"N 148°06'07"W
				Depth 2 1/4 fathoms for 4 1/2 fathoms	60°03'42"N 148°06'17"W
<b>★12289</b>	48Ed. 1/03 LAST NM 19/03 Relocate Light from 38°38'06"N 77°07'47"W to (17/03 CG5)	22/03			
		38°38'04"N 77°07'45"W			
<b>★13249</b>	12Ed. 4/03 NEW EDITION (NOS)	22/03	<b>17323</b>	10Ed. 7/10/93 LAST NM 13/03 Substitute Depth 2 fathoms 3 feet for 5 fathoms 2 feet	22/03
<b>14024</b>	5Ed. 4/1/95 LAST NM 12/03 Add Wreck [K29] (34047)03 Ottawa	22/03		(NOS)	57°25'48"N 135°36'05"W
		46°48.2'N 54°54.7'W			
<b>14340</b>	25Ed. 11/4/95 LAST NM 12/03 Add Wreck [K29] (34047)03 Ottawa	22/03	<b>★18003</b>	19Ed. 3/03 NEW EDITION (NOS)	22/03
		46°48.2'N 54°54.7'W			
<b>14345</b>	5Ed. 4/15/95 LAST NM 12/03 Add Wreck [K29] (34047)03 Ottawa	22/03	<b>18007</b>	31Ed. 3/31/01 LAST NM 18/03 Change Buoy to "CR" RW, Mo(A) WHIS RACON (--)	22/03
		46°48'14"N 54°54'41"W			46°11.1'N 124°11.1'W
				Light to AI WR 30s 220ft 18M	46°16.6'N 124°03.0'W
<b>14848</b>	56Ed. 11/10/01 LAST NM 21/03 <b>(Left Panel)</b>	22/03		(9, 11/03 CG13)	
	Change Legend to "25 FEET FOR WIDTH OF 800-1200 FEET NOV 1996 -OCT 2002"	42°20'33"N 82°57'12"W	<b>18008</b>	7Ed. 10/12/96 LAST NM N18/03 Change Buoy to "CR" RW, Mo(A) WHIS Racon	N22/03
	(NOS)			(9/03 CG13)	46°11.1'N 124°11.1'W

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<b>18400</b>	43Ed. 12/02 LAST NM 18/03 Change Light to "4" Fl R 6s 15ft 4M (9/03 CG13)	22/03 48°31.9'N 122°48.6'W	<b>★18588</b>	37Ed. 4/03 NEW EDITION (NOS)	22/03
<b>18413</b>	15Ed. 6/10/95 LAST NM 20/03 Add Visibility (range) 5M to light (Can LL)	22/03 48°46'15.8"N 123°22'05.5"W	<b>★18724</b>	1Ed. 3/03 NEW CHART (NOS)	22/03
<b>18415</b>	8Ed. 7/8/95 LAST NM 7/03 Change Visibility (range) of light to 10M (Can LL)	22/03 48°32'51.7"N 123°14'14.0"W	<b>22395</b>	2Ed. 2/28/98 LAST NM 19/03 Add Obscured sector 080°-245° to light (Supersedes 19/03-22395) (6/96)02 Valparaiso)	22/03 49°16.2'S 75°29.0'W
<b>18416</b>	6Ed. 6/10/95 LAST NM 48/02 Change Visibility (range) of light to 10M (Can LL)	22/03 48°32'51.7"N 123°14'14.0"W	<b>22409</b>	4Ed. 5/20/83 LAST NM N17/03 Change Chilean Chart number "9470" to "9510" in margins (3) of chart	N22/03
<b>18420</b>	1Ed. 3/1/86 LAST NM 13/02 Add Visibility (range) 5M to light (Can LL)	22/03 48°40'43.5"N 123°23'25.0"W		<b>(Left Panel)</b> Change Legend "See Chart 9472" to "See Chart 9511" 48°54'07"S 74°21'52"W	
<b>18421</b>	45Ed. 12/02 LAST NM 20/03 Change Visibility (range) of light to 10M Light to "4" Fl R 6s 15ft 4M (9/03 CG13; Can LL)	22/03 48°32'52"N 123°14'14"W 48°31'52"N 122°48'35"W		<b>(Right Panel)</b> Change Legend "Ver Carta 917" to "See Chart 9530" 49°22'45"S 74°24'17"W Legend "See Chart 9472" to "See Chart 9511" 49°07'42"S 74°26'17"W Legend "See Chart 9472" to "See Chart 9511" 49°09'36"S 74°25'36"W Legend "See Chart 9472" to "See Chart 9511" 49°11'51"S 74°25'00"W (9/144)02 Valparaiso; NTM0016/2003)	
<b>★18429</b>	9Ed. 12/02 LAST NM 3/03 Change Light to "4" Fl R 6s 15ft 4M (9/03 CG13)	22/03 48°31'52"N 122°48'35"W	<b>22413</b>	Ed. 1/1/70 LAST NM N45/02 Change Chilean Chart number "1007" to "10700" in margins (3) of chart	N22/03
<b>18430</b>	7Ed. 4/27/02 LAST NM 7/03 Change Light to "4" Fl R 6s 15ft 4M (9/03 CG13)	22/03 48°31'52"N 122°48'35"W		Legend "Ver Carta 1002" to "See Chart 10511" 51°43.2'S 74°02.5'W Legend "Ver Carta 1003" to "See Chart 10712" 52°09.1'S 73°44.3'W Legend "Ver Carta 1003" to "See Chart 10712" 52°09.8'S 73°36.5'W Legend "Ver Carta 1129" to "See Chart 10642" 52°10.3'S 73°34.2'W Legend "See Chart 10570" to "See Chart 11111" (9/148)02 Valparaiso; NTM0016/2003)	
<b>18433</b>	5Ed. 12/02 LAST NM 2/03 Change Visibility (range) of light to 10M (Can LL)	22/03 48°32'51.7"N 123°14'14.0"W	<b>23020</b>	4Ed. 9/27/97 LAST NM 35/01 Delete Depth 18.3 meters Wk	22/03 38°41.0'S 58°44.0'W
<b>18440</b>	26Ed. 12/02 LAST NM 18/03 Change Buoy to "TC" Y, Fl Y 2.5s (9/03 CG13)	22/03 47°19.5'N 122°27.4'W		Add Wreck [K29] (PA) (18/175)02 Buenos Aires)	38°42.7'S 58°38.3'W
<b>18445</b>	29Ed. 2/24/01 LAST NM 18/03 <b>(Page C)</b> Change Buoy to "TC" Y, Fl Y 2.5s (9/03 CG13)	22/03 47°19'30"N 122°27'24"W	<b>23030</b>	6Ed. 11/22/97 LAST NM 21/03 Delete Depth 18.3 meters Wk	22/03 38°41.0'S 58°44.0'W
<b>18448</b>	32Ed. 8/25/01 LAST NM 15/03 Change Buoy to "TC" Y, Fl Y 2.5s (9/03 CG13)	22/03 47°19'30"N 122°27'24"W		Add Wreck [K29] (PA) (18/175)02 Buenos Aires)	38°42.7'S 58°38.3'W
<b>★18474</b>	7Ed. 8/02 LAST NM 15/03 Change Buoy to "TC" Y, Fl Y 2.5s (9/03 CG13)	22/03 47°19'29"N 122°27'24"W	<b>23131</b>	7Ed. 10/8/83 LAST NM 12/03 Delete Wreck	22/03 38°41'00"S 58°44'00"W
				Add Wreck [K29] (PA) with legend "Nuevo Gaucho" (18/175)02 Buenos Aires)	38°42'40"S 58°38'20"W
<b>18500</b>	28Ed. 2/23/02 LAST NM 12/03 Change Buoy to "CR" RW, Mo(A) WHIS RACON (--) (9/03 CG13)	22/03 46°11.1'N 124°11.1'W	<b>23141</b>	7Ed. 8/9/97 LAST NM 34/02 Delete Wreck	22/03 38°41.0'S 58°44.0'W
<b>18520</b>	24Ed. 4/18/98 LAST NM 39/02 Change Buoy to "CR" RW, Mo(A) WHIS RACON (--) (9/03 CG13)	22/03 46°11.1'N 124°11.1'W		Add Wreck [K29] (PA) (18/175)02 Buenos Aires)	38°42.7'S 58°38.3'W
<b>★18521</b>	69Ed. 6/02 LAST NM 21/03 Change Buoy to "CR" RW, Mo(A) WHIS RACON (--) (9/03 CG13)	22/03 46°11'05"N 124°11'03"W	<b>24058</b>	2Ed. 11/20/93 LAST NM 19/03 Add Position circle [E20] "Ant." (PA) (18/174)02 Buenos Aires)	22/03 34°20'06"S 58°29'18"W
			<b>★24508</b>	3Ed. 3/22/03 NEW EDITION Add Legend "Shoaling rep (2002)" (Previously published 15/03) (NIMA)	22/03 10°20'23"N 75°31'53"W

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**NM 22/03**

<b>★25681</b>	15Ed. 3/25/00 LAST NM 4/03 Add Buoy (mooring) [Q40] (NOS)	22/03 17°59'45.6"N 66°45'39.7"W 17°59'45.0"N 66°45'36.7"W	<b>37080</b>	3Ed. 12/28/96 LAST NM 21/03 Add Range light, [P20.1] front Iso 4s 3m 6M	22/03 48°38.2'N 2°04.1'W
<b>★25685</b>	9Ed. 4/03 NEW EDITION (NOS)	22/03		Position circle "WTR TR (85)" with range light, rear Iso 4s 85m 8M	48°37.0'N 2°03.3'W
<b>★26122</b>	30Ed. 3/1/03 NEW EDITION <b>(Plan A)</b> Delete Period from buoy Period from buoy (Previously published 13/03) (NIMA)	22/03 18°28'21.5"N 77°24'28.7"W 18°28'22.2"N 77°24'24.0"W		Range line extending in 338°12' direction from above rear light dashed for 1.42 miles solid for 6 miles	
<b>26282</b>	6Ed. 7/31/99 LAST NM 8/02 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W	<b>37090</b>	8Ed. 2/8/97 LAST NM 16/03 Add Range light, [P20.1] front Iso 4s 3m 6M	22/03 48°38.2'N 2°04.1'W
<b>26295</b>	1Ed. 3/15/03 LAST NM 21/03 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W		Position circle "WTR TR (85)" with range light, rear Iso 4s 85m 8M	48°37.0'N 2°03.3'W
<b>26308</b>	5Ed. 3/15/03 LAST NM 21/03 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W		Range line extending in 338°12' direction from above rear light dashed for 1.42 miles solid for 6 miles	
<b>26320</b>	5Ed. 8/29/92 LAST NM 12/03 Relocate Light from 25°28.7'N 80°06.7'W to 25°28.8'N 80°06.9'W and add designation "2TR" (13/03 CG7)	22/03	<b>37095</b>	3Ed. 10/26/96 LAST NM 20/03 Add Danger circle "Obstn" [K40] (14/08/00 Brest)	22/03 49°34.3'N 1°14.6'W
<b>27005</b>	4Ed. 6/1/96 LAST NM 9/03 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W	<b>37202</b>	2Ed. 10/17/98 LAST NM 18/02 Add Radio reporting point symbol [M40] with direction pointers 054°-234° and legend "see Note" 55°25'33.0"N 8°13'48.0"E Radio reporting point symbol [M40] with direction pointers 049°-227° and legend "see Note" 55°28'30.0"N 8°20'54.0"E	22/03
<b>27060</b>	2Ed. 2/3/96 LAST NM 37/01 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W		Note "RADIO REPORTING POINTS" Vessels passing the reporting points must make report on VHF channel 12. See Sailing Directions." 55°30'00.0"N 8°26'30.0"E (6/37/03 Kobenhavn)	
<b>27080</b>	4Ed. 9/1/01 LAST NM 15/03 Add Position circle "Stakes" (PA) (NOS)	22/03 24°29.9'N 82°15.9'W	<b>37205</b>	2Ed. 3/16/96 LAST NM 39/02 Delete Buoy	22/03 55°20.7'N 8°13.7'E
<b>28004</b>	1Ed. 7/4/92 LAST NM 9/03 Add Buoy (mooring) QY [Q41] (Navy maintd) (NTM0004/2003)	22/03 24°33.0'N 77°38.1'W		Change Characteristic of buoy to Fl(5) Y 20s (6/36/03 Kobenhavn)	55°20.8'N 8°13.7'E
<b>35081</b>	15Ed. 3/8/97 LAST NM 11/00 Add Depth 5.8 meters Obstns [K41] (17/1943/03 Taunton)	22/03 56°03'42"N 3°14'06"W	<b>37222</b>	13Ed. 11/1/97 LAST NM 21/03 Change Buoy to "25" G, pillar, QG (2/90/03 Hamburg)	22/03 53°30'52"N 6°46'06"E
<b>35082</b>	7Ed. 8/8/98 LAST NM 11/00 Delete Buoy Buoy Legend "DG-Range" Legend "Caution No 2"	22/03 56°03'10.2"N 3°14'48.0"W 56°03'04.8"N 3°14'55.2"W 56°03'10.0"N 3°14'54.1"W 56°03'02.0"N 3°14'54.1"W	<b>37224</b>	11Ed. 9/18/99 LAST NM 15/02 Add Buoy YB, spar, double cone topmark points downward [Q130.3]	22/03 53°19'44"N 7°14'38"E
	Add Depth 5.8 meters Obstns [K41]	56°03'53.4"N 3°14'49.2"W		Buoy YB, spar, double cone topmark points downward [Q130.3]	53°19'52"N 7°13'20"E
	Legend "DG-Range Caution No 2"	56°02'55.8"N 3°14'49.2"W		Buoy YB, spar, double cone topmark points downward [Q130.3]	53°19'50"N 7°13'57"E
	(17/1943/03 Taunton)		<b>(Plan A)</b>		
<b>35086</b>	5Ed. 10/23/99 LAST NM 31/02 Delete Buoy "9NE" Buoy "9SW"	22/03 56°03'10.2"N 3°14'48.0"W 56°03'04.8"N 3°14'55.2"W	<b>37258</b>	4Ed. 9/6/97 LAST NM 11/03 Change Designation of buoy "RN" to "RP" (14/07/00 Brest)	22/03 49°28'38.0"N 0°01'12.0"W
	Add Depth 5.8 meters Obstns [K41] (17/1943/03 Taunton)	56°03'53.4"N 3°14'49.2"W	<b>37261</b>	10Ed. 6/21/97 LAST NM 20/03 Change Designation of buoy "RN" to "RP" (14/07/00 Brest)	22/03 49°28'38.0"N 0°01'12.0"W

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<b>37264</b>	3Ed. 9/13/97 LAST NM 15/03 Add Buoy Y, conical, "X" topmark (14(10)00 Brest)	22/03 49°40'19.2"N 1°36'57.0"W	(See 20/01-44064) (6(46)03 Kopenhagen)
<b>37281</b>	15Ed. 1/25/97 LAST NM 15/03 Add Buoy Y, conical, "X" topmark (14(10)00 Brest)	22/03 49°40'19.2"N 1°36'57.0"W	<b>44069</b> 16Ed. 3/15/97 LAST NM 17/03 Add Light Oc(3) Y 12s 19m 5M (2(36)03 Hamburg, BA LL)
<b>37362</b>	6Ed. 7/12/97 LAST NM 17/03 Add Light Fl(2) 6s to buoy "Notre-Dame" (34(17)00 Brest)	22/03 47°05'25"N 2°08'14"W	<b>44076</b> 3Ed. 8/30/97 LAST NM 25/02 Delete Depth 10.1 meters Obstn (2(36)03 Hamburg)
<b>37401</b>	9Ed. 1/31/98 LAST NM 16/03 Add Buoy (wavemeter) Y, spherical, Fl(5) Y 20s (14(15)00 Brest)	22/03 46°05'32.4"N 1°42'04.8"W	<b>44100</b> 7Ed. 3/9/96 LAST NM 13/03 Delete HORN from light (40(547)02 Norrkoping)
<b>43030</b>	24Ed. 4/5/97 LAST NM 17/03 Change Visibility (range) of light to 15-12M Add Depth 37 meters Wk (6(42), 13(86)03 Kopenhagen; BA LL)	22/03 56°35.4"N 10°19.2"E 54°37.7"N 14°56.4"E	<b>44120</b> 7Ed. 2/22/97 LAST NM 19/03 Add Depth 37 meters Wk (13(86)03 Kopenhagen)
<b>44037</b>	5Ed. 8/31/96 LAST NM 16/03 Substitute Depth 12.8 meters for 13.8 meters Change Light to Oc WRG 5s 33m 15-12M (6(42, 45)03 Kopenhagen; BA LL)	22/03 56°24.4"N 11°00.1"E 56°35.4"N 10°19.2"E	<b>44164</b> 1Ed. 12/2/89 LAST NM 18/03 Delete "ANCH-FISH PROHIB" area in vicinity 58°39'18.0"N 17°07'24.0"E "ANCH-FISH PROHIB" area in vicinity 58°40'40.0"N 17°11'30.0"E (31(880, 881)99 Norrkoping)
<b>44040</b>	23Ed. 7/20/96 LAST NM 20/03 Substitute Depth 12.8 meters for 15.6 meters Change Light to Oc WRG 5s 33m 15-12M (6(42, 45)03 Kopenhagen; BA LL)	22/03 56°24.4"N 11°00.1"E 56°35.4"N 10°19.2"E	<b>44165</b> 1Ed. 10/6/90 LAST NM 20/03 Delete Purple composite line joining 58°42'06"N 17°14'29"E 58°41'04"N 17°12'35"E 58°40'43"N 17°10'05"E 58°40'30"N 17°11'14"E 58°40'28"N 17°11'37"E 58°40'18"N 17°11'49"E 58°39'58"N 17°11'47"E 58°39'55"N 17°12'14"E 58°40'31"N 17°13'31"E 58°41'32"N 17°17'00"E (31(880)99 Norrkoping)
<b>44045</b>	6Ed. 6/8/96 LAST NM 40/01 Delete HORN from light (40(547)02 Norrkoping)	22/03 56°10.6"N 12°33.2"E	<b>44184</b> 9Ed. 5/11/96 LAST NM 20/03 Substitute Rock (islet) [K10] for rock awash (26(761)99 Norrkoping)
<b>44046</b>	10Ed. 7/13/96 LAST NM 18/02 Substitute Depth 12.8 meters for 13.8 meters (6(45)03 Kopenhagen)	22/03 56°24.4"N 11°00.1"E	<b>44200</b> 9Ed. 7/20/96 LAST NM 13/03 Add Buoy Y, spar Buoy Y, spar Buoy Y, spar (49(1286)99 Norrkoping)
<b>44047</b>	22Ed. 2/8/97 LAST NM 12/03 Delete Buoy (6(43)03 Kopenhagen)	22/03 55°48.2"N 11°44.6"E	<b>44205</b> 2Ed. 4/9/94 LAST NM 19/03 Add Double solid line (pier) between 60°41'40.0"N 17°13'13.0"E 60°41'43.0"N 17°13'09.0"E
<b>44048</b>	11Ed. 3/9/96 LAST NM 18/03 Delete HORN from light (40(547)02 Norrkoping)	22/03 56°10'36"N 12°33'12"E	60°41'36.0"N 17°13'18.0"E 60°41'34.5"N 17°13'20.0"E 60°41'37.2"N 17°13'23.0"E
<b>44049</b>	9Ed. 6/15/96 LAST NM 14/03 Add Depth 7.2 meters Obstn (See 1/01-44049) (14(87)03 Kopenhagen)	22/03 55°33'10"N 12°42'41"E	60°41'43.2"N 17°13'10.0"E 60°41'38.0"N 17°13'11.0"E
<b>44051</b>	1Ed. 7/25/92 LAST NM 14/03 Delete Buoy Buoy Buoy Buoy Buoy Buoy Buoy Buoy Buoy Dashed line (fairway) in vicinity	22/03 55°36'11.4"N 12°56'03.3"E 55°36'06.6"N 12°55'50.4"E 55°36'01.2"N 12°55'45.6"E 55°36'05.4"N 12°55'56.4"E 55°36'00.6"N 12°55'52.2"E 55°35'56.4"N 12°55'48.6"E 55°35'43.8"N 12°55'37.8"E 55°36'03.6"N 12°55'58.2"E 55°35'52.2"N 12°55'45.0"E	Double solid line (pier) between 60°41'41.5"N 17°13'13.6"E 60°41'39.5"N 17°13'12.0"E Double solid line (pier) between 60°41'40.5"N 17°13'13.5"E 60°41'41.4"N 17°13'22.5"E (41(944)00 Norrkoping)
	Change Buoy to G, spar, Fl(2) G 4s Buoy to G, spar, Fl(2) G 4s	55°35'54.6"N 12°55'51.6"E 55°35'48.6"N 12°55'47.4"E	<b>44280</b> 9Ed. 7/13/96 LAST NM 19/03 Add Position circle "R Mast" [E28]
	Add Buoy G, conical, Fl(2) G 4s (47(1251)99 Norrkoping; Swd CH 9211)	55°36'04.8"N 12°55'51.0"E	65°25.9"N 21°40.2"E (42(1116)99 Norrkoping)
<b>44064</b>	19Ed. 6/29/96 LAST NM 8/02 Change Visibility (range) of light to 12-10M	22/03 55°17.4"N 10°51.0"E	

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NM 22/03

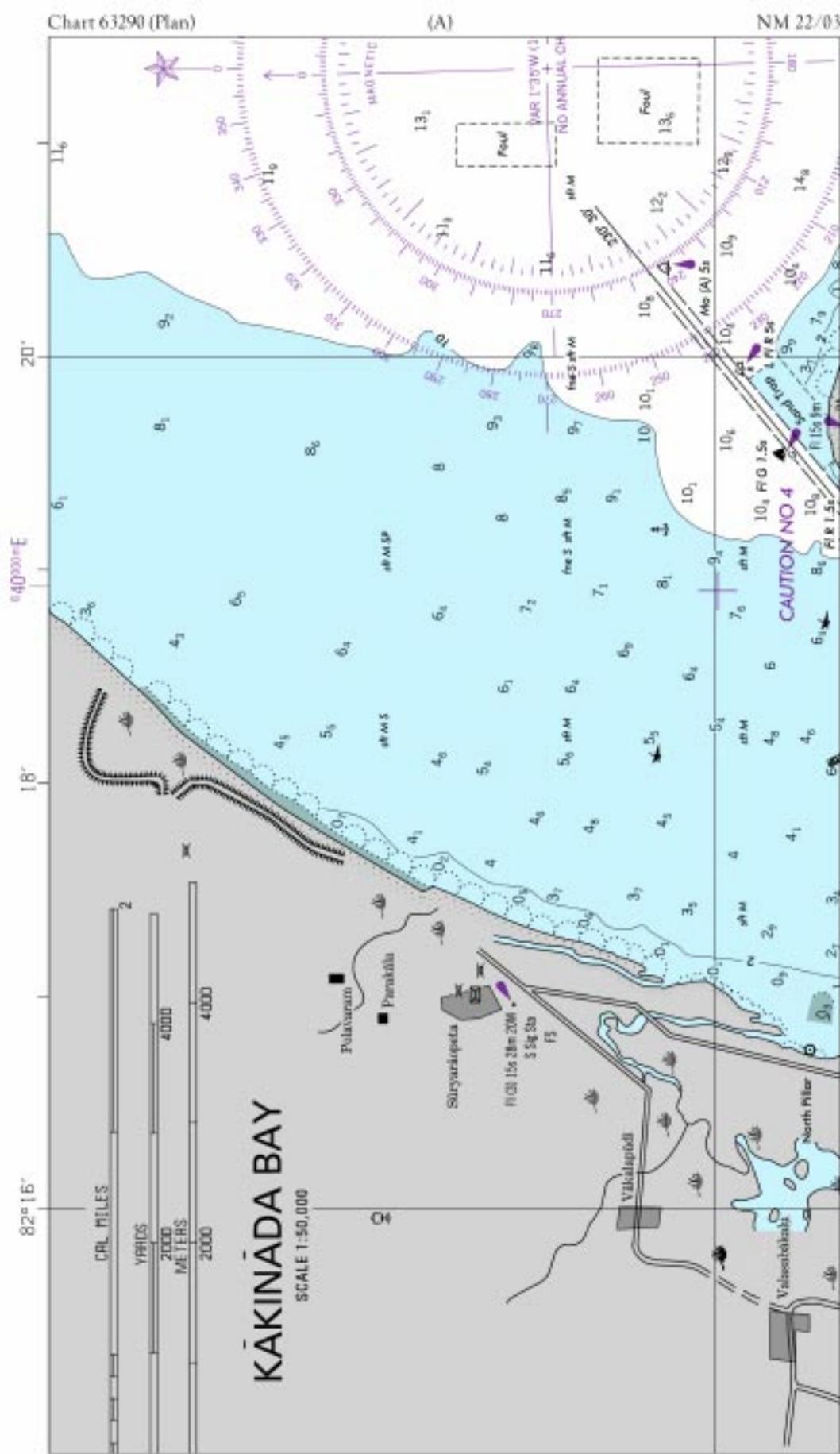
<b>44281</b>	2Ed. 4/6/96 LAST NM 21/03 Change Buoy to "Klackarna" BYB, pillar, double cone topmark bases together, VQ(3) 5s	22/03 65°20'48"N 22°19'02"E	above area (16(224)99, 25(309)00 Lisboa)
Add	Buoy "Fenan SV" R, spar, Fl R 3s	65°22'55"N 22°20'00"E	
	Buoy "Persgrundet" G, conical, Fl(2) G 6s	65°26'33"N 22°27'13"E	
	(42(1115)99 Norrkoping)		
<b>44420</b>	6Ed. 12/14/96 LAST NM 17/03 Delete Light	22/03 57°39.6'N 18°19.2"E	
Add	Light 2FR (40(546)02 Norrkoping)	57°40.1'N 18°19.8"E	
<b>51061</b>	14Ed. 9/4/93 LAST NM 21/03 Change Light to Fl(3) 20s 132m 12M	22/03 38°35.7'N 28°36.2"W	
(23(323)99 Lisboa)			
<b>51062</b>	28Ed. 4/20/96 LAST NM 19/03 <b>(Plan A)</b> Change Light to Fl(3) 20s 132m 12M	22/03 38°35'44"N 28°36'10"W	
(23(323)99 Lisboa)			
<b>51081</b>	10Ed. 10/5/96 LAST NM 21/03 Add Submarine cable [L30.1] joining	22/03 37°43.2'N 25°37.4"W 37°42.4'N 25°37.2"W 37°42.2'N 25°36.6"W 37°38.2'N 25°33.1"W 37°35.9'N 25°29.0"W	
(26(360)99 Lisboa)			
<b>51082</b>	7Ed. 5/11/96 LAST NM 21/03 Add Submarine cable [L30.1] joining	22/03 37°45'03"N 25°37'04"W 37°43'10"N 25°37'26"W 37°42'41"N 25°37'24"W 37°42'23"N 25°37'12"W 37°42'13"N 25°36'36"W 37°38'15"N 25°33'08"W 37°35'52"N 25°29'03"W 37°34'01"N 25°26'33"W	
(26(360)99 Lisboa)			
<b>51135</b>	1Ed. 12/7/91 LAST NM 44/01 Relocate Anchorage symbol from 40°39'30.0"N 8°47'42.0"W to	22/03 40°39'33.0"N 8°48'12.0"W	
(21(296)99 Lisboa)			
<b>51142</b>	2Ed. 7/12/97 LAST NM 15/03 Add Beacon "E2N" Y, "X" topmark, Oc Y 6s 3M	22/03 38°26'37"N 9°06'21"W	
(23(321)99 Lisboa; Por LL)			
<b>51145</b>	2Ed. 8/2/97 LAST NM 13/03 Add Beacon "E2N" Y, "X" topmark, Oc Y 6s 3M	22/03 38°26'37"N 9°06'21"W	
(23(321)99 Lisboa; Por LL)			
<b>51150</b> (INT 1811) 1Ed. 3/24/90 LAST NM 15/03 Add Dangerous wreck [K28]	22/03 37°01.0'N 8°59.5"W		
(25(309)00 Lisboa)			
<b>51155</b>	1Ed. 7/7/84 LAST NM 15/03 Delete Light	22/03 37°05'42"N 8°28'06"W	
Add Dangerous wreck [K28] (24(290), 25(309)00 Lisboa)	37°00'54"N 8°59'23"W		
<b>51160</b>	20Ed. 9/22/90 LAST NM 21/03 Add Dangerous wreck [K28]	22/03 37°01.0'N 8°59.5"W	
"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	37°06.5'N 7°32.3'W 37°06.9'N 7°29.8'W 37°06.1'N 7°29.5'W 37°05.7'N 7°32.1'W 37°06.2'N 7°32.4'W		
and delete "Tunny nets" symbols (2) within			
<b>51540</b>	3Ed. 2/7/98 LAST NM 46/01 Add Buoy Or, spherical, Ra ref with light flare symbol	22/03 14°55.5'N 23°11.0'W	
(21(301)99 Lisboa)			
<b>*52042</b>	6Ed. 3/8/03 NEW EDITION (NIMA)	22/03	
<b>53083</b>	8Ed. 4/15/95 LAST NM 21/03 Add "ANCH PROHIB AREA" [N2.2] bound by shore and purple composite line joining	22/03 43°16'02.3"N 6°37'30.0"E 43°16'10.1"N 6°37'25.0"E 43°16'16.7"N 6°37'50.2"E 43°16'09.0"N 6°37'55.5"E	
(34(19)00 Brest)			
<b>53089</b>	4Ed. 4/30/94 LAST NM 21/03 Delete Anchorage symbol (large vessels)	22/03 43°16'15.0"N 6°37'42.0"E	
Add "ANCH PROHIB AREA" [N2.2] bound by shore and purple composite line joining	43°16'02.3"N 6°37'30.0"E 43°16'10.1"N 6°37'25.0"E 43°16'16.7"N 6°37'50.2"E 43°16'09.0"N 6°37'55.5"E		
(34(19)00 Brest)			
<b>53287</b> (INT 3350) 6Ed. 9/30/95 LAST NM 15/03 Add Dangerous wreck [K28]	22/03 (34(22)00 Brest)	41°28'16"N 9°17'23"E	
<b>53301</b>	4Ed. 10/26/96 LAST NM 27/02 Add Dangerous wreck [K28]	22/03 (34(22)00 Brest)	41°28'16"N 9°17'23"E
<b>54280</b>	10Ed. 10/20/84 LAST NM 15/03 Change Light to Fl 10s 194m 17M	22/03 (1(19)03 Athens; BA LL)	37°39.3'N 20°48.5'E
<b>54400</b>	8Ed. 6/2/90 LAST NM 16/03 Change Light to Fl(2) 5s 6M	22/03 (1(25)03 Athens)	36°40.1'N 27°57.6'E
<b>*56104</b>	3Ed. 2/15/03 NEW EDITION (NIMA)	22/03	
<b>63290</b>	7Ed. 9/1/90 LAST NM 10/03 <b>(Plan)</b> Add Chartlet A, depicting changes in hydrography and aids to navigation, from Subsection I-2	22/03 17°01'00.0"N 82°18'00.0"E	
	Chartlet B, depicting changes in hydrography and aids to navigation, from Subsection I-2	16°58'00.0"N 82°18'00.0"E	
(BA CH 575)			
<b>71247</b>	18Ed. 7/10/99 LAST NM 21/03 Delete Beacon "S2 (disused)"	22/03 (9(97)01 Singapore)	1°14'24.6"N 103°49'43.8"E
<b>71255</b>	5Ed. 8/7/99 LAST NM 14/03 Delete Buoy "PKHDB 12" Buoy "PKHDB 11"	22/03 1°13'47.8"N 103°37'12.2"E 1°14'08.9"N 103°37'01.9"E	
Relocate Buoy "PKHDB 13" from 1°13'26.3"N 103°37'22.0"E to	1°13'18.6"N 103°37'28.8"E		
(9(98, 99)01 Singapore; BA CH 4030)			
<b>71258</b>	2Ed. 8/10/96 LAST NM 13/03 Delete Buoy "PKHDB 12"	22/03 1°13'48"N 103°37'12"E	
			(continued on next page)

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<b>71258</b>	(Continued)				
Relocate	Buoy "PKHDB 13" from 1°13'26"N 103°37'22"E to (9(98)01 Singapore; BA CH 4030)	1°13'19"N 103°37'29"E	Add	Depth 3.4 meters for 3.8 meters 42°19'46.0"N 140°58'11.5"E	
<b>72028</b>	7Ed. 5/10/97 LAST NM 34/02	22/03			
Add	Buoy Y, pillar, Fl Y 5s (48(395)02 Jakarta)	7°48.3'S 109°05.8'E		Land tint to area bound by shore and solid line joining	42°19'52.0"N 140°58'11.5"E 42°19'51.4"N 140°58'17.0"E 42°19'51.0"N 140°58'18.0"E 42°19'50.2"N 140°58'18.2"E 42°19'46.6"N 140°58'17.8"E 42°19'46.8"N 140°58'16.0"E 42°19'49.6"N 140°58'16.5"E 42°19'50.0"N 140°58'11.3"E
<b>73020</b>	9Ed. 11/4/95 LAST NM 21/03	22/03			
Add	Light flare symbol [P1] (49(409)02 Jakarta)	2°12.4'S 136°25.3'E		Double solid line with land tint (pier) between	42°19'49.8"N 140°58'15.0"E 42°19'48.5"N 140°58'14.8"E
<b>73030</b>	4Ed. 12/21/96 LAST NM 20/02	22/03			
Add	Light Fl 6s (49(409)02 Jakarta)	2°12.4'S 136°25.3'E		Depth 6.3 meters Depth 7.7 meters Depth 4.3 meters Depth 5.6 meters Depth 6.8 meters Depth 7.4 meters Depth 7.1 meters Depth 7.4 meters Depth 6 meters Depth 6.7 meters Depth 6.6 meters Depth 6.2 meters Depth 4.8 meters Depth 4.3 meters	42°19'53.8"N 140°58'12.3"E 42°19'52.8"N 140°58'16.6"E 42°19'52.3"N 140°58'12.0"E 42°19'52.0"N 140°58'13.9"E 42°19'51.9"N 140°58'16.8"E 42°19'50.6"N 140°58'20.4"E 42°19'50.0"N 140°58'18.7"E 42°19'47.5"N 140°58'21.1"E 42°19'47.2"N 140°58'18.0"E 42°19'45.2"N 140°58'19.0"E 42°19'44.7"N 140°58'16.1"E 42°19'45.9"N 140°58'16.3"E 42°19'48.0"N 140°58'13.0"E 42°19'49.4"N 140°58'12.0"E
<b>73032</b>	4Ed. 12/28/96 LAST NM 9/03	22/03			
Add	Light Fl 6s (49(409)02 Jakarta)	2°12.4'S 136°25.3'E			
<b>94080</b>	7Ed. 9/23/95 LAST NM 19/03	22/03			
Add	Dangerous wreck [K28] (26/03 Tso-ying)	22°48.0'N 120°09.0'E			
<b>94082</b>	8Ed. 2/26/00 LAST NM 19/03	22/03			
Add	Dangerous wreck [K28] (26/03 Tso-ying)	22°48'00"N 120°09'00"E			
<b>95250</b>	4Ed. 7/12/97 LAST NM 20/03	22/03			
Change	Light to Fl R 3s 11m 8M & Fl(2) R 6s 17m 5M	41°32.7'N 139°59.1'E			
	(15(535)03 Tokyo; Jpn LL)				
<b>95270</b>	4Ed. 11/9/91 LAST NM 21/03	22/03			
Change	Light (F Fl G) to Fl(2) R 5s 12m 5M	37°17.7'N 137°14.4'E			
	Light to Fl(2) G 5M	37°04.5'N 136°56.5'E			
	Light (Oc R) to Fl R 3s 3M	37°29.9'N 137°21.3'E			
	Visibility (range) of light to 7M	37°31.2'N 137°14.5'E			
	(14(488), 489), 15(539)03 Tokyo)				
<b>95282</b>	7Ed. 7/14/90 LAST NM 20/03	22/03			
Delete	Buoy (mooring) "1"	35°28'49.0"N 135°20'18.0"E			
	Buoy (mooring) "2"	35°28'44.0"N 135°20'11.0"E			
	(15(537)03 Tokyo)				
<b>96939</b>	3Ed. 1/18/97 LAST NM 9/03	22/03			
Change	Visibility (range) of light to 3M	44°32'07"N 141°45'42"E			
	(15(534)03 Tokyo)				
<b>96943</b>	15Ed. 12/9/95 LAST NM 20/03	22/03			
Change	Visibility (range) of light (Iso R) to 8M	41°47'09"N 141°07'49"E			
	Visibility (range) of light (Iso G) to 9M	41°47'09"N 141°07'49"E			
	Light to Fl R 3s 11m 8M & Fl(2) R 6s 17m 5M	41°32'44"N 139°59'09"E			
	(14(485), 15(535)03 Tokyo; Jpn LL)				
<b>96945</b>	3Ed. 2/1/97 LAST NM 20/03	22/03			
Change	Light to Fl R 3s 11m 8M & Fl(2) R 6s 17m 5M	41°32'44"N 139°59'09"E			
	(15(535)03 Tokyo; Jpn LL)				
<b>96948</b>	8Ed. 7/1/95 LAST NM 21/03	22/03			
Change	Light to Fl R 4s 12m 7M	42°31'46"N 140°46'22"E			
	(14(486)03 Tokyo)				
<b>96949</b>	21Ed. 5/9/98 LAST NM 45/02	22/03			
Delete	Depth 7 meters	42°19'53.0"N 140°58'12.3"E			
	Depth 7.4 meters	42°19'52.2"N 140°58'14.5"E			
	Depth 6.3 meters	42°19'51.0"N 140°58'18.0"E			
	Depth 6 meters	42°19'45.5"N 140°58'17.6"E			
	Depth 7.4 meters	42°19'44.5"N 140°58'14.8"E			
Substitute	Depth 5.4 meters for 5 meters	42°19'47.3"N 140°58'15.5"E			
<b>96962</b>	4Ed. 8/9/97 LAST NM 9/03	22/03			
Change	Light to Iso G 4s 9M, Iso R 4s 8M				
	(14(485)03 Tokyo; Jpn LL)				
<b>97041</b>	9Ed. 7/25/98 LAST NM 12/03	22/03			
Delete	Position circle "Y Lt"	40°32'51.2"N 141°32'57.9"E			
	(See 47/02-97041)				
Relocate	Position circle "Y Lt" from	40°35'15.0"N 141°28'45.0"E to			
		40°35'15.7"N 141°28'45.0"E			
Substitute	Double solid line for double dashed line in vicinity	40°35'15.0"N 141°28'45.0"E			
	and delete legend "Under Constr"				
Add	Double solid line with land tint (breakwater extension) joining	40°32'51.2"N 141°32'57.9"E 40°32'47.8"N 141°33'00.0"E 40°32'43.3"N 141°33'21.5"E			
	Position circle "Y Lt"	40°32'43.3"N 141°33'21.5"E			
	(14(490)03 Tokyo; Jpn CH W65)				
<b>97060</b>	8Ed. 9/6/97 LAST NM 14/03	22/03			
Delete	Horn from light	38°16'36"N 141°35'03"E			
	(14(491)03 Tokyo)				
<b>97062</b>	12Ed. 12/6/97 LAST NM 10/03	22/03			
Delete	HORN from light	38°16'36.0"N 141°35'03.0"E			
	(14(491)03 Tokyo)				
<b>97080</b>	5Ed. 10/5/91 LAST NM 16/03	22/03			
Delete	Horn from light	38°16'24"N 141°35'12"E			
	(14(491)03 Tokyo)				
<b>97180</b>	6Ed. 7/19/97 LAST NM 20/03	22/03			
Change	Light to Fl(2) R 7M	34°42'11"N 136°56'12"E			
	Visibility (range) of light to 8M	34°40'50"N 136°33'02"E			
	(14(494), 15(545)03 Tokyo)				
<b>97181</b>	20Ed. 3/26/94 LAST NM 20/03	22/03			
Change	Light to Fl(2) G 6s 13m 5M	34°42'04"N 136°58'41"E			
	Light to Iso G 4s 12m 4M	34°41'52"N 136°58'29"E			
	Light to Iso G 4s 11m 4M	34°54'55"N 136°49'16"E			
	Light to Iso R 8s 12m 4M	34°47'09"N 137°07'13"E			
	Light to Fl G 3s 13m 7M	34°47'17"N 137°00'49"E			
	Light to Fl(2) 6s 10m 7M	34°42'11"N 136°56'12"E			

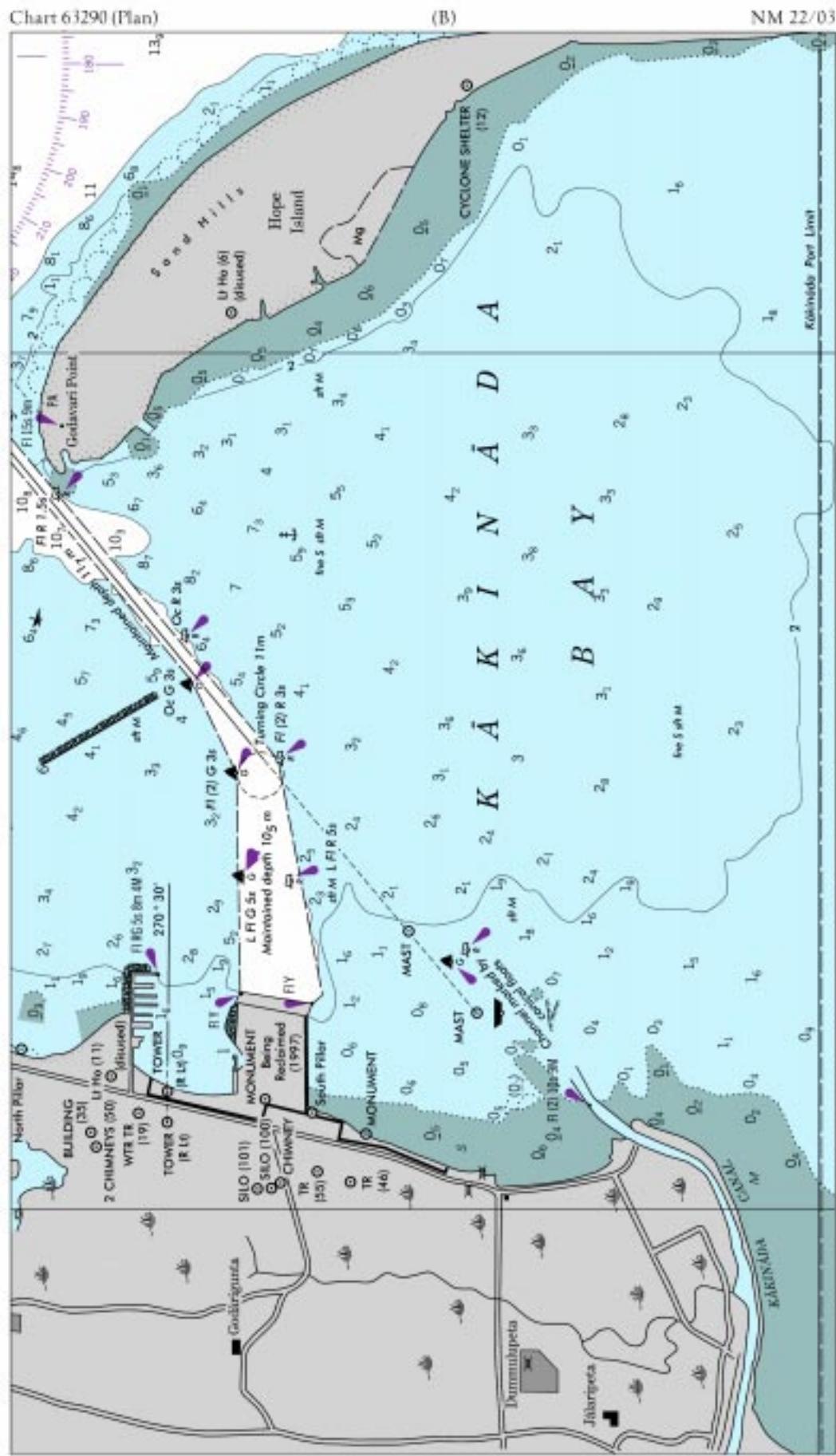
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<b>97181</b>	(Continued)			
	Visibility (range) of light to 8M	34°40'50"N 136°33'02"E	Fish haven symbol [K46.1]	34°11'13.0"N 134°38'30.0"E
	Light to Fl R 5s 14m 7M	34°42'28"N 136°55'08"E	(15(552)03 Tokyo)	
Add	Fish haven symbol [K46.1] (14(492-494), 15(542, 543, 545, 546)03 Tokyo)	34°31'43"N 136°50'25"E		
<b>97182</b>	13Ed. 1/1/94 LAST NM 21/03	22/03		
Change	Light to Iso G 4s 12m 8M	34°41'52.0"N 136°58'29.0"E		
	Light to Fl(2) G 6s 13m 5M	34°42'04.0"N 136°58'41.0"E		
	Light to Iso R 8s 12m 4M	34°47'09.0"N 137°07'13.0"E		
	Light to Fl G 3s 13m 7M	34°47'17.0"N 137°00'49.0"E		
	Light to Fl(2) R 6s 10m 7M	34°42'11.0"N 136°56'12.0"E		
	Light to Fl R 5s 14m 7M	34°42'28.0"N 136°55'08.0"E		
	Light to Fl G 5s 13m 3M	34°42'30.0"N 136°55'07.0"E		
Add	Fish haven symbol [K46.1] Fish haven symbol [K46.1] Fish haven symbol [K46.1] (See 45/99-97182) (14(492), 15(542, 543, 545, 546)03 Tokyo)	34°31'43.0"N 136°50'25.0"E 34°31'25.0"N 136°51'32.0"E 34°31'10.0"N 136°52'14.0"E		
<b>97183</b>	9Ed. 3/21/98 LAST NM 18/03	22/03		
Change	Visibility (range) of light to 4M	34°54'55"N 136°49'16"E		
<b>97184</b>	15Ed. 9/13/97 LAST NM 18/03	22/03		
Add	Legend "Lesser depths reported (2003)" between	35°03'10.0"N 136°49'55.5"E 35°03'40.0"N 136°50'36.0"E		
	Legend "Lesser depths reported (2003)" between	35°02'52.0"N 136°50'09.5"E 35°01'50.0"N 136°50'39.0"E		
	(See 28/02-97184) (14(517)03 Tokyo)			
<b>97188</b>	2Ed. 6/25/94 LAST NM 20/03	22/03		
Change	Light to Iso R 8s 12m 4M	34°46'57"N 137°07'25"E		
	Light to Fl G 3s 13m 7M	34°47'05"N 137°01'01"E		
(15(542, 543)03 Tokyo)				
<b>97189</b>	2Ed. 8/9/97 LAST NM 18/03	22/03		
Change	Light to Iso G 4s 11m 4M	34°54'55.0"N 136°49'16.0"E		
(14(493)03 Tokyo)				
<b>97200</b>	9Ed. 8/26/95 LAST NM 17/03	22/03		
Add	Fish haven symbol [K46.1] Fish haven symbol [K46.1] (15(550, 552)03 Tokyo)	34°11'24"N 134°38'45"E 34°14'48"N 134°54'18"E		
<b>97221</b>	20Ed. 1/17/98 LAST NM 20/03	22/03		
Add	Fish haven symbol [K46.1] Fish haven symbol [K46.1] Fish haven symbol [K46.1] (15(550, 552)03 Tokyo)	34°11'24"N 134°38'45"E 34°11'25"N 134°38'20"E 34°14'48"N 134°54'18"E		
<b>97222</b>	12Ed. 12/27/97 LAST NM 10/03	22/03		
Add	Fish haven symbol [K46.1] (15(550)03 Tokyo)	34°14'48"N 134°54'18"E		
<b>97223</b>	3Ed. 11/7/98 LAST NM 17/03	22/03		
Delete	Chimney symbol (14(495)03 Tokyo)	34°27'05.0"N 135°21'01.0"E		
<b>97228</b>	15Ed. 1/24/98 LAST NM 21/03	22/03		
Delete	Depth 12 meters	34°38'43.0"N 135°24'52.3"E		
	Depth 12 meters	34°38'42.0"N 135°24'48.4"E		
	Depth 12.3 meters	34°38'42.5"N 135°24'46.0"E		
Substitute	Depth 12.1 meters for 11.9 meters	34°38'41.0"N 135°24'44.0"E		
Add	Depth 12.6 meters Depth 10.9 meters (15(532)03 Tokyo)	34°38'43.3"N 135°24'49.5"E 34°38'41.0"N 135°24'48.9"E		
<b>97232</b>	8Ed. 1/11/86 LAST NM 25/02	22/03		
Add	Fish haven symbol [K46.1]	34°11'12.0"N 134°38'55.0"E		



## SECTION I

NM 22/03



## SECTION I

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Chart 11505

NM 22/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
TYBEE RANGE	43.0	42.0	43.0	43.0	03-03	600	3.3	44
BLOODY POINT RANGE	43.5	43.0	43.5	43.0	03-03	600	3.0	44
JONES ISLAND RANGE	43.5	42.0	42.5	43.0	03-03	600	1.2	44
TYBEE KNOT CUT RANGE	44.0	44.0	44.0	44.5	03-03	500	2.5	42

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.

NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11506

NM 22/03

BRUNSWICK HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
BAR CHANNEL (ST SIMON RANGE)	32.0	34.0	A31.0	03-03	500	7.7	32
PLANTATION CREEK RANGE	38.0	40.0	40.0	03-03	400	1.8	32
JEKYLL ISLAND RANGE	29.0	33.0	31.0	03-03	400	1.9	30
CEDAR HAMMOCK RANGE	30.0	31.0	30.0	03-03	400	1.4	30
BRUNSWICK PT CUT RANGE	28.0	29.5	27.0	03-03	400	2.4	30
EAST RIVER LOWER REACH	B27.0	28.0	25.5	03-03	400	1.1	30
UPPER REACH	27.0	28.0	26.0	03-03	350	1.0	27
EAST RIVER TURNING BASIN	25.0	25.0	25.0	03-03	750	0.2	30
TURTLE RIVER LOWER RANGE	35.0	31.0	30.0	03-03	300	1.7	30
BLYTHE ISLAND RANGE	31.0	26.0	26.0	03-03	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	28.0	25.5	03-03	300	1.7	30
SOUTH BRUNSWICK RIVER	31.0	31.0	28.5	03-03	400	1.3	30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N: 081°16'35.7"W.

B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 26.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 29.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.

NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## SECTION I

NM 22/03

Chart 11512

NM 22/03

SAVANNAH RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
TYBEE RANGE	43.0	42.0	43.0	43.0	03-03	600 3.3 44
BLOODY POINT RANGE	43.5	43.0	43.5	43.0	03-03	600 3.0 44
JONES ISLAND RANGE	43.5	42.0	42.5	43.0	03-03	600 1.2 44
TYBEE KNOB CUT RANGE	44.0	44.0	44.0	44.5	03-03	500 2.5 42
NEW CHANNEL RANGE (A)	37.0	41.0	42.0	39.0	03-03	500 1.6 42
L. I. CROSSING RANGE	40.0	43.0	43.5	39.5	03-03	500 2.6 42
LOWER FLATS RANGE	40.5	46.0	45.0	42.0	03-03	500 1.3 42
UPPER FLATS RANGE	43.0	45.0	45.0	41.0	03-03	500 1.2 42
THE BIGHT CHANNEL	43.0	45.5	47.0	46.0	03-03	500 1.5 42
FT. JACKSON RANGE	45.0	48.0	46.0	41.0	03-03	500 0.7 42
OGLETHORPE RANGE	39.0	45.5	44.5	45.0	03-03	500 1.2 42
WRECKS CHANNEL (B)	39.0	44.0	47.0	46.0	03-03	500 1.5 42
CITY FRONT CHANNEL	43.0	43.0	44.0	37.5	03-03	500 1.5 42
MARSH ISLAND CHANNEL (C)	40.5	44.0	44.0	42.5	03-03	500 1.7 42
KINGS ISLAND CHANNEL (D)	41.5	42.0	42.5	41.0	03-03	500 2.1 42
WHITEHALL CHANNEL (E)	31.0	32.0	32.5	37.0	03-03	400 0.6 42-36
PORT WENTWORTH CHANNEL (F)	30.0	31.5	33.0	32.0	12-94; 03-03	200 1.2 30

A. OYSTER BED I TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 41.0 FT 100 FT FROM BACKSIDE.  
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 38.0 FT 100 FT FROM BACKSIDE.  
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 34.0 FT 100 FT FROM BACKSIDE.  
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 44.0 FT, 47.5 FT 100 FT FROM BACKSIDE.  
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT 100 FT FROM BACKSIDE.  
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.0 FT, 30.0 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.  
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.  
 NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 (Side A)

NM 22/03

SAVANNAH RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
OGLETHORPE RANGE	39.0	45.5	44.5	45.0	03-03	500 1.2 42
WRECKS CHANNEL (A)	39.0	44.0	47.0	46.0	03-03	500 1.5 42
CITY FRONT CHANNEL	43.0	43.0	44.0	37.5	03-03	500 1.5 42
MARSH ISLAND CHANNEL (B)	40.5	44.0	44.0	42.5	03-03	500 1.7 42
KINGS ISLAND CHANNEL (C)	41.5	42.0	42.5	41.0	03-03	500 2.1 42
WHITEHALL CHANNEL (D)	31.0	32.0	32.5	37.0	03-03	400 0.6 42-36
PORT WENTWORTH CHANNEL (E)	30.0	31.5	33.0	32.0	12-94; 03-03	200 1.2 30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0, 38.0 FT 100 FT FROM BACKSIDE.  
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 34.0 FT 100 FT FROM BACKSIDE.  
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 44.0 FT, 47.5 FT 100 FT FROM BACKSIDE.  
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT 100 FT FROM BACKSIDE.  
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 33.0 FT, 30.0 FT 100 FT FROM BACKSIDE.

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.  
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.  
 NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 22/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11309	36	21,26,28,36,46/02;1,6,7, 22/03	11373	42	31*,33,37,40,41,42,45, 49/02;7,9,19,20,21/03	11484	21	15,16/02
20	3	18/03	11310	1	N21,N46/02;N22/03	11374	31	45*,49,50/02;1,2,7,8,9, 19,20/03	11485	33	22/03*
22	1	18/03	11311	23	15*,21,46/02	11375	35	1*,2,5,7,9,20/03	11488	24	7,17/03
50	5	17/02	11312	3	21,26,28,36,46/02;1,6,7, 22/03	11376	48	15,16,21,22,23,25,27,29, 31,40,43,50/02;2,7,19,20, 21,22/03	11489	34	8*,12,20,22/03
52	1	18/02	11313	22	31/02;22/03	11377	4	26*,40,50/02;2,20,21, 22/03	11491	33	18,22,28,29,30,34,37, 38/02;12/03
53	2	17/02	11314	22	17*,21,22/03	11378	32	11*,12,18,20,21,22/03	11493	9	N24,N39/02;N12,N20, N22/03
70	4	7/03	11315	30	37/02*	11379	39	46/02*;9/03	11494	8	N24,N39/02;N22/03
71	4	7/03	11316	39	17*,22/03	11380	49	19*,22,27,30,32/02;9, 18/03	11495	16	19/02*
72	4	7/03	11317	29	20*,21,25,37,40,49/02; 16,19,20,21/03	11381	32	18,22,30,32/02;9/03	11496	9	N32,N35/02;N1,N17, N19/03
101	3	48/02	11318	1	N21,N29,N46/02;N6/03	11382	39	23*,27,33,34,37/02;7, 18/03	11498	16	19/02*
103	5	16/03	11319	31	17*,9,19,20/03	11383	49	18/03	11502	28	14,17,20,22/03
108	9	32,35/02	11320	1	N28/02;N22/03	11384	32	18,22,30,32/02;9/03	11503	39	38*,39,43/02;12,14,17, 20,22/03
124	10	18/03	11321	29	22,28,39,40,41,45/02	11385	25	23/02*	11504	15	12,22/03
125	7	21/03	11322	28	19*,20/03	11386	16	17/02	11505	1	16,18,26,28,31,34,40, 49/02;1,4,5,11,22/03
126	39	21/03	11323	59	26*,28,33,37,39,45/02;1, 6,7,9,20/03	11387	32	18,23,28,33,37/02;2,7/03	11506	40	10*,19,22/03
301	1	14,21/03	11324	32	22*,24,25,31,33,37/02;1, 6,7,9,10,16,20,21/03	11388	22	18,23,33,34/02;7,21/03	11507	31	9*,12,20/03
302	1	2/03	11325	34	19*,21,24,35,37,49/02;4, 6,8,16/03	11389	6	34/02;21/03	11508	21	10/03*
310	20	21,14,21/03	11326	31	7*,9,16,20,21,22/03	11390	22	23*,27,33,34,37/02;7, 21/03	11509	27	20/02;1,11/03
400	3	23,26,31,32,33,35,45/02	11327	30	16,21,22,24,28,37,49/02; 1,6,16,19,20,22/03	11391	22	18,23,33,34/02;7,21/03	11510	18	34/02
401	5	22,23,26,31,33,35,45/02; 14/03	11328	22	21,36,37,39,47,49/02;4,6, 16,20,21,22/03	11392	9	10/03			
411	49	19*,22/03	11329	34	21,24,36,37,39,47,49/02; 1,4,8,10,16,21,22/03	11393	20	18/02	11511	16	11/03
500	7	21/03	11330	14	2*,4,6,7,8,17,19,20,21, 22/03	11394	34	23,39/02;4,9,11,12,13/03	11512	59	10*,11,15,20,22/03
501	12	9*,10,18,21,22/03	11331	18	17,23/02;8,19/03	11395	11	9/03	11513	23	18,32,49/02;1/03
502	2	52/02	11332	28	42*,43,49,51/02;6,17,19, 20/03	11396	18	15/02*	11514	26	37*,40,49/02;4,5,15, 22/03
507	2	45/02	11333	1	N28/02	11397	28	3/03*	11516	29	18,24,37,49/02
508	2	15,24,45/02	11334	67	2*,5,6,7,8,9,14,17,18,19, 21/22/03	11398	27	4,11/03	11517	17	32/02
513	6	17,38/02	11335	39	14*,17,21,22/03	11399	14	43*,45/02;7,20/03	11518	33	14*,19/03
520	127	20,38/02	11336	36	21,21,23,37,40,49/02;4,8, 17,19,20/03	11400	27	20/02;1,11/03	11520	40	31*,39,40,44,46,51/02;4, 6,7,8,19/03
521	11	17/02	11337	31	7*,9,16,20,21,22/03	11401	29	23/02	11521	26	15*,17,32,35/02;9,19/03
522	87	18/02	11338	30	16,21,22,24,28,37,49/02; 1,6,16,19,20,22/03	11402	21	15,23,50/02;9,19/03	11523	21	15*,17,32,35,52/02;5,9, 19/03
523	8	17/02	11339	18	17,23/02;8,19/03	11403	14	42*,45/02;1,6,7,11,12,13, 14/03	11524	46	8*,11,12,13,15,17,19,20, 22/03
524	12	18,47/02	11340	28	42*,43,49,51/02;6,17,19, 20/03	11404	18	14/03	11525	6	N17,N19,N23,N39,N40, N44,N46,N51/02;N4,N6, N8/03
525	3	18/02	11341	67	2*,5,6,7,8,9,14,17,18,19, 21/22/03	11405	34	46*,49/02;4/03	11526	10	20/03*
526	10	18,47/02;6/03	11342	39	9*,19,22/03	11406	35	31/02*	11527	16	37/02;20/03
530	30	29*,26,37,38,40,52/02;6, 10,18,21,22/03	11343	31	14*,17,21,22/03	11407	27	21,22/03	11528	21	31/02*;11/03
531	21	18*,47,52/02;21/03	11344	35	9*,19,22/03	11408	32	52/02*;6/03	11529	20	15*,37/02
532	17	17,38/02	11345	31	9/03*	11409	21	47/02*	11530	18	17/03*
540	16	51/02;16/03	11346	33	42*,43,47,49/02;4,6,7,8, 19,20,21/03	11410	25	17/03*	11531	12	25,46/02
541	2	6/03	11347	33	42*,43,47,49/02;4,6,7,8, 19,20,21/03	11411	34	46*,49/02;4/03	11532	37	36/02*;8/03
550	7	18,24,45/02;6/03	11348	36	17,21,23,37,40,49/02;4,8, 17,19,20/03	11412	35	31/02*	11533	15	19*,40/02;4,7/03
601	4	6,8/03	11349	35	9*,19,22/03	11413	30	7,10/03	11534	34	21/03*
602	6	47/02;6/03	11350	31	9/03*	11414	24	21/02*;15,21,22/03	11535	18	39,44,51/02;6/03
603	6	47/02;10/03	11351	38	20*,22/03	11415	11	7,8,21/03	11536	33	8*,9,14,22/03
604	5	18/02	11352	36	3*,7,8,9,20,22/03	11416	25	15/02*;6,7,15,22/03	11537	10	39/02
605	4	6/03	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5,7,18,20, 21/03	11417	39	36/02;6,7,15,20/03	11538	22	18,29,39/02;8/03
606	1	17/03	11354	23	15,16,19,22,27,28,33,37, 38,40,47,51/02;7,8,20, 22/03	11418	33	6,7,15/03	11539	34	36/02*;8/03
607	1	17/03	11355	24	37*,40,51/02;22/03	11419	30	7,15/03	11540	34	21/03*
621	5	22/02	11356	34	28,29,39,40,42,45,47,	11420	27	20/02;1,11/03	11541	33	8*,9,14,22/03
622	9	20,47/02;6/03	11357	35	51/02;6,7,19,22/03	11421	31	31/02*	11542	15	39/02
623	9	47/02;19/03	11358	51	23*,24,26,27,31,39,42, 51/02;7,21/03	11422	33	7,15/03	11543	22	18,29,39/02;8/03
624	3	22/02	11359	11	22*,26,39/02	11423	30	7,15/03	11544	37	36/02*;8/03
632	8	15,24,45/02	11360	40	1*,2,5,6,8,19/03	11424	33	7,15/03	11545	60	45*,47/02;6,8,14,22/03
702	5	7/03	11361	70	21/03*	11425	31	31/02*	11546	35	22*,25,29,30,37,47/02;6, 8,14,22/03
703	4	46/02;7/03	11362	4	N16,N17,N18,N22,N23, N24,N28,N29,N31,N33, N36,N39,N40,N47/02;	11426	36	28/02;7,15/03	11547	38	47/02*
705	3	46,52/02	11363	38	51/02;4,5,7,18,19,20,21, 22/03	11427	24	22*,28/02;22/03	11548	28	8/03*
709	2	50/02;19/03	11364	39	3*,4,5,8,9,18,19,21/03	11428	16	7,22/03	11549	27	31*,33,38,46/02;10/03
800	4	17/02	11365	17	52/02*;9/03	11429	30	7,15/03	11550	28	17/03*
803	1	17/02	11366	7	48*,51/02;5,6,7,8,19, 21/03	11430	31	8/03*	11551	28	8/03*
1113A		20*,21,22/03	11367	31	16,17,25,33/02;19,21/03	11431	10	16/02;6,17/03	11552	38	36/02*;7/03
1114A		23,39/02;4,9,11,12,13/03	11368	22	38/02*;19,21/03	11432	16	16,27,51/02;13/03	11553	29	52/02*;1,7,14,22/03
1115A		1*,2,5,6,8,19/03	11369	44	9*,18,19,21/03	11433	6	N16/02	11554	27	47/02*;19/03
1116A		2*,5,6,7,8,9,14,17,18,19, 21/22/03	11370	23	17,31,33,40,51/02;9, 21/03	11434	19	15,16,31,49/02;6,19/03	11555	73	52/02*;1,4,6,7,18,19/03
1117A		28*,30,31,37,39,40,41, 42,45,51/02;1,6,7,8,19, 20,21/22/03	11371	35	7/03	11435	37	47*,50/02;4,12,21/03	11556	43	14*,19/03
11004	7	15,16,18,22,26,28,31,37, 39,40,42,43,45,47,51/02;	11372	30	2*,7,8,10,19/03	11436	39	42*,43,49/02	11557	27	47*,45,46/02;7,12,18/03
11006	30	28*,36,39,40/02;2,6,19, 21/03	11373	38	26*,29,35,38,40,43,49, 51/02;4,5,7,18,19,20,21, 22/03	11437	15	24,26,27,28,29,30,35, 50/02;7,9,12,21/03	11558	47	38*,42,52/02;7,12,18/03
11009	36	19,23,24,32,35,44,51/02; 6,12,19/03	11374	39	15*,21,22,27,28,33,37, 38,40,47,51/02;7,8,20, 22/03	11438	36	15,24,26,27,28,29,30,35, 50/02;7,9,12,21/03	11559	47	38*,42,52/02;7,12,18/03
11013	44	18*,20,35,50/02;6,7,8,9, 13,16,21,22/03	11375	17	52/02*;9/03	11439	36	10*,12/03	11560	41	10/03*
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02;1,6,7,8, 19,20,21,22/03	11376	7	48*,51/02;5,6,7,8,19, 21/03	11440	31	8/03*	11561	42	14*,19/03
11301	23	21,37/02;16/03	11377	31	16,17,25,33/02;19,21/03	11441	16	16,27,51/02;13/03	11562	27	47/02*;19/03
11302	29	34*,37/02;16/03	11378	22	38/02*;19,21/03	11442	16	16,27,51/02;13/03	11563	27	47/02*;19/03
11305											

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 22/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12245	61	14*,15,18/03	13000	N21,N25,N48,N49/02; N21/03	13398	3	19*,36/02	14844	31	18/02;4/03	
12248	39	18*,30,33,40,50/02;4,5,6, 8,15,22/03	13003	46	9*,12,18/03	14002	57	21/02	14845	26	18/02;4/03
12251	23	35/02;4,6,7,15/03	13006	30	39*,44,48,49,50/02;1,5,9, 17,18,P21/03	14003	6	16,25,48,49/02;5,9,12/03	14846	11	18,23,24,39,40/02;2/03
12252	23	33,34/02;4,7,10,15,17/03	13009	30	42*,48,49/02;1,9,18/03	14008	76	21/02	14847	30	24,40/02
12253	42	33,38,42,46,50/02;10, 13/03	13200	33	25,37,48/02;7,9,18/03	14010	5	21,35/02	14848	56	23,24,31/02;9,17,21, 22/03
12254	43	38*,43,44/02	13201	10	N25,N37,N48/02;N9, N18/03	14018	6	16/02	14850	51	21*,23/02;7,21/03
12255	15	44/02	13203	12	37/02	14024	5	33,36,39/02;12,22/03	14852	45	19*,21/03
12256	13	19*,33,44/02	13205	36	37,42,45,48/02;1,5/03	14040	65	40/02	14853	13	21*,23,24,25,26,31, 37/02;7,9,17,21,22/03
12261	28	37*,44/02;7,18,22/03	13209	23	37/02	14043	7	21/03	14854	13	24/02;17/03
12263	51	38/02*,7,18,20/03	13211	13	21,23,47/02	14066	19	6/03	14860	35	21,24/02
12264	28	38/02*,7/03	13212	35	9*,13/03	14067	11	6/03	14862	28	26/02*
12266	27	30/02;20/03	13213	40	14/03*	14083	30	33/02	14863	30	24/02
12268	10	22/02*	13214	27	34*,45,48/02;5/03	14087	58	33/02	14864	26	24,37/02
12270	32	9*,18/03	13215	17	45,48/02;1,5/03	14088	10	41/02*	14865	16	4/03
12272	29	26*,27,36,45/02;13, 16/03	13216	1	N48/02	14089	29	41/02*	14867	25	32/02
12273	53	26*,31,36,45,50/02;5,15, 17,19/03	13218	38	29,42,45,51/02;5/03	14090	2	33/02	14871	2	21/02
12274	33	37*,50/02;5,15,17/03	13221	53	15,29,44,51/02;2,5,7/03	14091	6	41/02*	14872	3	21/02
12277	31	26*,50/02;8/03	13223	36	15,52/02;2/03	14111	7	14/03	14873	2	35/02
12278	72	26*,36,45/02;19/03	13224	36	44/02;5/03	14144	29	21/02	14880	30	33/02;4/03
12280	3	37*,43,45,46,47,50, 52/02;1,6,7,18/03	13226	5	44/02;6,7/03	14151	2	37/02	14881	31	28*,33/02
12281	49	15/02;12,19/03	13227	13	7/03	14180	38	21/02	14883	42	17,23/02
12282	33	31*,44/02;7,8,18,19/03	13228	11	51,52/02	14203	12	19/02	14885	20	51/02
12283	24	8,18/03	13229	27	17,39,42,45,52/02;1,7, 19/03	14204	21	19/02	14901	14	52/02*,5/03
12284	15	7/03	13230	46	2*,7,19/03	14206	20	19/02	14902	28	24,25,31/02;4/03
12285	35	11*,14,19,22/03	13232	4	39,42/02	14208	28	40/02	14903	22	23,32/02
12286	29	2*,4,6/03	13233	16	17/02;10/03	14221	26	40,46/02	14904	25	17,31,32,46/02
12288	19	27/02	13235	5	17/02	14222	16	46/02	14905	29	31,35,37/02;5/03
12289	48	10*,19,22/03	13236	29	45/02;1,7,19/03	14223	18	3,16/03	14906	23	5/03
12300	43	19/03*	13237	38	17,42,48/02;7,10,20/03	14225	17	38/02;16/03	14907	25	17/02
12301	21	N20*,N28,N29,N37, N39,N42,N45/02;N5, N17/03	13241	15	21*,34,42/02	14226	32	40/02;6/03	14910	23	17/03*
12304	43	21/03*	13244	39	22*,48/02;7/03	14228	11	40/02;6/03	14911	20	4/03
12311	41	15,18,28,31,42,50,52/02; 8/03	13246	36	26,27/02;8/03	14240	6	16,34/02;1/03	14912	16	21/03
12312	52	10*,15/03	13249	12	22/03*	14242	13	34/02	14916	10	45/02*,17/03
12313	48	18,21,27,31,33,43,52/02	13253	18	3*,8/03	14243	8	19,34/02	14917	23	17/02;3/03
12314	30	46*,50/02;5/03	13255	18	38*,36,43,48,49,50/02;1, 7,9,18,P21/03	14244	5	19/02;16/03	14918	26	25/02;17/03
12316	29	2*,6/03	13260	38	28*,36,43,48,49,50/02;1, 7,9,18,P21/03	14260	47	35/02	14919	27	24/02
12317	31	15*,26,37,50/02	13263	7	N20,N21,N25,N27,N36, N43,N48,N49/02;N1,N7, N9,N18,NP21/03	14280	37	35/02	14922	19	26*,51/02;9/03
12318	41	9/03*	13264	103	21,36,49/02;9,P21/03	14310	2	52/02;12/03	14924	27	28*,32/02;5/03
12323	23	19,40/02;4/03	13267	30	17,19,27,52/02;1,7,9/03	14340	25	16,17,26,33,37,40,52/02; 12,22/03	14926	9	18,31,32,35,37/02
12324	30	2*,8/03	13270	59	17,19,33,34,40,43/02;1,2, 7,12/03	14341	5	12/03	14928	21	4/03*
12326	48	17,18,27,28/02;4,8,17, 19/03	13272	47	19,28,40/02;8/03	14342	20	52/02	14929	24	14,03*
12327	96	1*,2,8,12,13,14,16,18, 19/03	13274	24	17,19,27,45,52/02;1,2, 16/03	14344	2	37,40/02	14930	24	45/02
12331	30	8*,13,14,18/03	13275	27	17,19,27,45,52/02;1,2,7, 16/03	14345	5	37,40/02;12,22/03	14931	24	35/02*
12332	21	15,22,43,46/02;13,18/03	13276	21	19,27,52/02	14349	7	16/02	14932	22	32/02;9/03
12333	32	46*,47/02;5,12,16,18/03	13278	25	19/03	14357	N52/02		14933	24	35*,37/02
12334	65	10*,12,16,19/03	13282	11	21/03*	14358	N17,N36/02		14934	27	17/03*
12335	39	1,8/03	13283	18	1,9/03	14360	36	16,26,33,36/02	14935	21	17/02
12337	22	15,20,28,31,45/02;13, 18/03	13285	10	20/03	14386	3	36/02	14937	24	52/02*,2,17/03
12338	9	21/03*	13286	29	39*,40,50/02;1,9/03	14415	4	33/02	14942	25	35/02
12341	25	22/02*,21/03	13288	40	15*,20,23,29,36,43,50, 51/02	14500	27	52/02*	14963	20	51/02
12343	18	37/02*,7,21/03	13290	34	20,36,40,43,50,51/02;7, 16/03	14769	N31/02*		14965	21	11/03*
12345	10	42/02*,21/03	13297	30	20/03*	14772	17	15/02	14966	25	14*,21/03
12347	29	25/02	13298	11	2*,14/03	14773	16	15,19/02	14967	22	5/03
12348	33	25/02	13299	25	43/02	14774	16	15/03	14970	25	40,46,51/02
12350	57	39*,49/02	13295	11	26*,29,43,51/02;14/03	14775	N31/02*		14972	25	21/02
12352	29	34/02;17/03	13296	25	43/02	14786	13	24/02	14973	27	15/03*
12354	39	22,28,33,37,45/02;2,6,7, 10/03	13298	10	43,52/02	14788	13	24/02	14974	24	32/02
12358	19	46*,49/02;1,7,10/03	13301	20	25,33,51/02	14803	26	5/03	14975	33	52/02*
12362	16	49/02	13302	21	20,25,41,42,7,2,7,9/03	14804	24	20/02*,5/03	14984	9	18/02*
12363	39	18,28,44/02;6/03	13303	12	48/02*,7,9/03	14808	9	19,23/02	14995	11	52/02*
12364	34	20/03*	13305	28	20,35,41,49/02;2,7,9/03	14820	19	11/03*	15313	1	15/03
12365	26	18/02;6/03	13308	11	40/02	14822	31	10/03*	15562	N41/02;N16/03	
12366	27	51/02;20/03	13309	28	42/02*,9/03	14823	30	1/03*	15585	N14/03	
12367	23	18/02	13312	21	10/03*	14824	25	24/02	15744	N30/02	
12368	26	42/02*	13313	19	21,25,41,49,52/02;6,9/03	14826	27	4/03*	15880	N41/02	
12369	25	31*,44/02	13315	11	19*,49/02	14829	5	21/02	15954	N47/02*	
12370	18	39/02*	13318	18	38*,41,52/02;5,6,21/03	14830	29	18,23,39,51/02;2/03	16003	16	18/02*,13/03
12371	22	28,47/02;6,13/03	13321	9	20/03*	14832	34	52/02*	16004	11	13,17/03
12372	31	45*,47,48/02;2,5,6/03	13322	9	19/02*	14833	25	20,26/02	16006	33	6/03
12373	14	2/03	13323	7	5/03	14835	31	39/02	16011	35	38/02;8/03
12375	21	22/02	13324	13	41,52/02;2/03	14836	27	42/02*	16012	21	38/02
12377	14	22,25,37/02	13325	14	2/03	14837	27	26/02*,3/03	16013	28	17,22,29,52/02;21/03
12378	14	2,13/03	13326	12	41,43/02	14838	3	52/02*	16042	7	39/02*
12379	14	31*,47/02;2,13/03	13327	2	6/03	14839	36	9/03*	16061	8	19*,27,37,49/02;13, 17/03
12401	7	31*,47/02;2,13/03	13329	3	39/02*,9,21/03	14840	12	18,23,39/02;2,4/03	16300	8	52/02,3,8/03
12402	8	31*,33,44/02;13/03	13396	4	9,19,21/03	14843	22	23,39,51/02	16305	9	8/03
									16322	7	8/03
									16363	12	38/02*
									16380	13	17/02
									16381	8	8/03
									16382	10	17/02
									16435	5	27/02
									16		

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 22/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
16441	7	37/02	17428	7	5/03	18441	42	30*,32,39/02;6,7,9,15, 18/03	18660	1	30,49/02;7,16/03
16442	6	37/02	17429	2	N38/02*	18443	15	17,39/02;6/03	18661	27	15*,16/03
16480	10	38/02	17430	10	5/03	18444	15	17,39/02	18662	20	30/02;7/03
16500	9	9/03	17434	11	5/03	18445	29	15,17,22,28,32,33,39/02; 6,7,9,10,15,18,22/03	18663	5	14/03*
16520	21	2/03	17436	6	20/03	18446	15	6,7,9,18,19/03	18666	1	26/02;21/03
16521	5	27/02	17437	8	16/02;21/03	18447	26	27,52/02;6,7,10,18/03	18680	30	15/02;6,13/03
16528	16	9/03	17438	12	16,50/02;10,14,15,21/03	18448	32	15,17,33/02;10,15,22/03	18685	31	25/02;6,12/03
16529	14	50/02;9/03	17441	7	10,15/03	18449	17	15,17/02;7/03	18687	13	8/03*
16530	6	50/02	17443	12	10/03	18450	17	9/03*	18700	21	34,36,37/02;4,6,10,13, 21/03
16531	7	18/02*	17445	2	16/02;10,14/03	18452	16	17/02	18703	24	36,37/02;4/03
16535	12	2,21/03	17446	N10/03		18453	24	14/03*	18704	12	37/02
16549	14	4,16/03	17460	N5/03		18455	2	N17,N22,N39/02;N15/03	18720	31	23,35/02;4,6,10,12/03
16553	3	17/03	17465	4	6,12/03	18457	9	15/02	18721	11	35/02;6,10/03
16556	4	8/03*	17471	N15/02;N6/03		18458	15	19/03*	18723	3	6/03
16566	10	17/02	17472	4	5,14/03	18459	5	N17,N22,N32,N39/02; N9,N15/03	18724	1	22/03*
16568	12	39/02*	17480	4	15,43/02;5,10/03	18460	11	2*,6,7/03	18725	26	23,35/02;4,6,12/03
16575	1	39/02	17482	N7,N14/03		18464	22	32/02;7,15/03	18740	39	16,20,23,34,37,45,50/02; 5,6,12/03
16576	3	42/02;6/03	17485	4	16/02	18465	35	2*,15/03	18741	18	N25,N45,N50/02;N12/03
16580	11	39/02	17489	19	43/02	18468	17	7/03	18744	30	37/02
16590	10	38/02*	17495	2	43/02	18471	8	32/02;7,15/03	18746	34	20,23,34/02;5,13/03
16592	9	16/03	17503	4	43/02	18473	7	4*,18,19/03	18749	38	16,18,20,23,25,27,40/02; 5,6,16,21/03
16593	11	14/03*	17513	N42,N43/02;N15/03		18474	7	45/02*,7,10,15,22/03	18751	42	16,20,25,27,40/02;5,6,16, 21/03
16594	13	2/03	17515	7	6,15,16/03	18476	4	17,22,32,39/02;7,9/03	18754	16	36/02
16595	14	2/03	17517	8	6,15,16/03	18477	5	7/03	18757	10	13/03
16596	12	39/02*	17518	7	P44,48/02;16,18,20/03	18480	29	2*,6,7/03	18758	6	35/02*,16/03
16597	8	16,43/02	17519	13	16/03	18484	10	28,40/02;15/03	18760	6	N16,N23,N34,N35,N45, N50/02;N6/03
16598	9	43/02	17520	2	N6,N16/03	18485	15	2*,10/03	18761	2	N20/02
16599	6	16,43/02	17521	N15/03		18488	28	19*,22,32,39/02;12, 22/03	18762	15	20/02
16603	7	42/02;6/03	17522	N15/03		18500	84	30*,32,39,42,49/02;9, 21/03	18763	9	20/02
16604	11	22/02*	17523	N15/03		18504	65	19/03*	18765	15	18*,25,45,50/02;12/03
16606	11	37/02*;21/03	17524	N12,N15/03		18520	24	33,39/02;22/03	18766	7	25,45,50/02;12/03
16608	3	6/03	17525	N15/03		18521	69	34*,39,49/02;4,10,12,21, 22/03	18768	4	N25,N45,N50/02;N12/03
16640	24	21/03	17526	N15/03		18523	53	15,25,26,33/02;4,12/03	18769	2	N20/02
16646	12	8/03	17528	N43/02;N6,N12/03		18524	33	18*,26,28,31,33/02;4,6, 10/03	18772	47	21/03*
16660	28	22,25,29,42/02;6,16/03	17541	3	43/02	18525	33	15,28,31,33/02;4,9/03	18773	38	18,20,23,25,50/02;10,12, 13/03
16662	6	22,29/02	17542	6	47/02	18526	55	15,16,28,31,33/02;4, 18/03	18774	10	35/02*,10,16/03
16663	6	22,25,29,42/02;6,16/03	17543	17	41/02	18527	21	16,31/02	18775	2	N20/02
16665	7	22,25,29,42/02;6,16/03	17545	13	43,47/02	18528	10	52/02*,18/03	19002	9	N23,N37,N51/02; N16/03
16680	10	6/03	17546	22	42,43,47/02	18529	10	52/02*	19004	36	23,25,35,37,51/02
16681	10	37/02*	17548	28	16/03	18530	20	26,31,34/02;9,10/03	19007	16	51/02;16/03
16682	15	8*,17,19/03	17549	6	47/02;15/03	18531	30	15,28,31,33/02;4,9/03	19008	4	16/03
16683	9	3,6,17/03	17550	4	15,42,43,P44,45,47,48, 52/02	18532	20	10/03	19009	4	16/03
16700	27	21*,49,52/02;9,16,22/03	18000	8	45/02;6,10,21/03	18541	8	21/02*	19010	17	45*,51/02
16701	18	21*,52/02;9,22/03	18002	6	N45/02;N2,N6,N10, N21/03	18548	5	8/03*	19013	16	25,51/02
16702	10	38,52/02;1,9,13,22/03	18003	19	22/03*	18558	37	19*,39/02	19320	16	23,27,35,37,51/02;5, 16/03
16705	19	49/02;16/03	18005	4	N20,N34/02;N6,N10, N13,N21/03	18561	11	33,39/02;10/03	19324	22	27,35/02;5/03
16707	10	34,37/02;16,20/03	18006	3	N6/03	18580	21	26,33,38,39/02	19327	10	23/02
16708	25	37,49/02;16,20/03	18007	31	20,26,33,34,37,38,39,40, 47,52/02;18,22/03	18581	17	49/02*,4/03	19339	1	N25,N35,N49,N51/02; N5,N13/03
16709	22	15*,49/02	18008	7	N20,N26,N33,N34,N37, N38,N39,N40,N47, N52/02;N18,N22/03	18583	38	31,33,42,49/02;12/03	19340	26	25,35,49,51/02;5,13/03
16711	2	15/02*	18009	2	N34/02;N6,N13/03	18584	47	30,39,49/02;4,6/03	19347	17	25/02
16712	1	16/03	18010	20	33,34,37,38,39,40/02;6, 13/03	18587	68	25,30,33,39,42/02;4,6,9, 10,21/03	19350	11	27/02
16713	2	49/02	18020	36	20,34,37,45/02;6,10,13, 21/03	18588	37	22/03*	19351	9	25/02
16741	9	46/02	18022	33	23,34,37,45/02;6,10,13, 21/03	18600	14	15*,33,37,38,40/02	19357	22	42*,49,51/02;5,13/03
17003	4	47,52/02	18040	43	2*,6,16,18,22/03	18601	13	10/03	19358	20	28/02*
17005	10	41,45,47,52/02	18043	21	6,20/03	18603	16	9*,10/03	19359	10	12,16/03
17008	12	43/02	18045	12	43/02;16/03	18620	23	35/02*	19360	1	N37,N51/02
17300	30	52/02*,21/03	18046	5	16/03	18622	52	26,28,49/02;21/03	19362	12	49/02
17302	18	21*,51/02	18047	11	N16,N20/03	18623	11	34/02	19366	36	31,49/02;5/03
17303	9	15,37/02	18048	21	0/03	18626	15	37/02;10/03	19367	37	22,31,49,50/02;10/03
17315	23	2*,16,21/03	18049	15	20,22/03	18640	24	15,24/02	19369	5	22,31,49/02;10/03
17316	20	28/02*,3/03	18050	9	20/03	18643	16	24,49/02	19379	1	N25,N51/02;N5,N13/03
17320	15	15/02;13/03	18051	21	6,20/03	18645	24	15,19,50/02	19380	14	25,51/02;5,13/03
17323	10	13,22/03	18052	12	43/02;16/03	18647	15	2/03*	19383	17	49/02;5/03
17327	20	5/03	18053	11	N16,N20/03	18649	62	15,19,20,23,33,36,38, 41/02;4,6,21/03	19385	7	20/02*
17330	7	15/02	18054	10	20/03	18650	51	28*,33,38,41/02;4,21/03	19387	9	N25/02
17360	32	44/02;1,6,8,11,12/03	18055	15	20/03	18651	42	15/03*	19401	8	10/03*
17379	1	15*,20/02	18056	15	20,22/03	18652	31	18,19,20,23,26,27,30,33, 38,41,49/02;4,6,7,12,16, 21/03	19402	6	9/03*
17382	15	20/03*	18057	9	20/03	18653	9	15,19,36,38,41/02;4,6, 21/03	19421	7	8/03*
17383	1	31*,49/02;8/03	18058	8	42/02;7,22/03	18654	48	28*,38,49/02;12,16/03	19442	5	14/03*
17384	7	44/02	18059	6	15/03	18655	58	19,49/02;12,16/03	19461	7	10/03*
17385	14	14/03*	18060	6	P44,48/02;22/03	18656	53	19*,21/03	19483	6	11/03*
17400	16	15,36/02;10,12/03	18061	11	47/02;12/03	18657	18	19,26,27,30/02;4,21/03	21005	5	45/02;2/03
17401	10	1/03	18062	1	22/03	18658	29	23,26,27,30/02;4,21/03	21008	62	39,42,43,50/02;1,2/03
17402	10	46/02*	18063	45	2*,18,20,22/03	18659	14	26,30,49/02;7,16,21/03	21011	5	2/03
17405	14	12/03	18064	33	*5,7,9,15,18/03				21014	72	42,50,52/02;2,3,4/03
17409	10	39/02*	18065	25	7/03				21017	50	23,41,50/02;4,5,6,9/03
17413	2	43,50/02;10/03	18066	21	35/02*,7,19/03				21020	42	23,41/02;5,6,7/03
17414	3	41/02	18067	9	19/02*						
17416	3	10,14/03	18068	9	3*,22/03						
17420	26	36,37,42,43,50/02;1,10, 12,14,20/03	18069	7	28/02*,6,7,22/03						

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 22/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
21021	3	45/02;13/03	22293	15	20/02;18/03	24055	6	37,49/02;14,19,21/03	24502	6	46/02
21023	41	34/02;7,8,9/03	22294	15	12/03	24057	4	31,38,49/02;20/03	24504	7	17,41,45,46/02
21033	46	20,32/02;1,16/03	22305	2	18/03	24058	2	31,32,37,38/02;19,22/03	24508	3	22/03*
21036	7	1,16/03	22311	19	8/03	24060	2	34/02;17/03	24509	2	17,45,50/02;15/03
21120	27	47,50,51,52/02	22312	2	13/03	24080	5	29/02;17/03	24510	2	17,18,19,41,45,46,50/02
21121	18	47/02	22313	2	44/02;8,18/03	24091	6	26/02;6,21/03	24512	3	25,29,44,46/02
21122	5	47/02	22314	1	44/02	24092	14	26/02;6/03	24513	18	46/02
21125	13	51,52/02	22331	2	N10,N19/03	24100	5	27,29/02	24517	2	18,19,46,49/02
21126	1	50/02	22335	4	19/03	24101	3	37,41/02	25001	7	17,19/02;15/03
21140	1	45,50/02;12/03	22341	9	19,43/02;11,21/03	24102	3	37,41/02	25017	5	15/03
21141	23	48/02	22342	9	19/02;21/03	24110	3	27,29/02	25018	9	15/03
21160	1	45/02	22343	1	N19,N43/02;N10,N11, N21/03	24130	14	24,29/02;5/03	25400	1	23,26,35,48/02
21161	19	43,48/02	22344	5	N42/02;N10/03	24140	18	32/02	25480	1	20,42,46/02
21180	1	2,7/03	22345	11	42/02	24141	4	5/03	25481	25	26/02
21182	34	39/02	22347	5	N19/02;N21/03	24142	43	5,6/03	25485	45	23,26/02
21200	1	2/03	22351	1	N43/02;N12/03	24149	1	32/02	25487	2	23,26/02
21301	13	3,12/03	22352	6	12,19/03	24150	27	27,29,30,32/02	25524	43	33/02;1,5,20/03
21342	28	41,44/02	22360	2	19/03	24151	4	29,32/02	25525	17	1,5/03
21384	3	23/02;6/03	22361	2	N10/03	24152	2	30/02	25526	2	19,33/02
21401	20	7/03	22370	2	15,19/03	24153	6	30/02	25527	31	33/02
21441	27	34,44/02	22373	1	N50/02;N10/03	24156	2	22/02	25528	5	21,42/02
21478	3	9,16/03	22375	1	N50/02;N10/03	24159	1	27/02	25550	2	17,19,24/02;21/03
21510	1	9,16/03	22377	1	N10,N13/03	24160	21	27,28/02	25563	50	17,33/02;14,18,21/03
21563	3	45/02	22379	1	N50/02;N10/03	24161	11	27,42/02;7/03	25565	7	33/02
21602	1	28/02	22381	1	N19,N43/02	24162	9	22,27,42/02;6,7/03	25566	27	17/02;18/03
21603	9	5/03	22395	2	19,42/02;15,19,22/03	24164	6	27/02	25567	16	19/02;21/03
21605	7	19/02	22403	1	N45/02	24170	14	5,6/03	25570	3	19,31/02;16/03
21661	12	6/03	22404	15	46/02	24171	19	5,6/03	25575	4	31/02
22004	38	18,20,23,30,32,34,36,39, 41,43,52/02;16/03	22406	1	N1/03	24172	4	5,6/03	25600	47	24/02
22008	35	18,30,34,36,39,41,43,44, 48,52/02;6,14,17/03	22407	1	N4,N11,N18/03	24180	15	8/03	25601	34	17,19,20/02
22012	31	16,30,34/02;6/03	22408	1	N10,N21/03	24211	7	24/02	25607	4	24,39/02
22032	20	19/03	22409	4	N45/02;N10,N17,N22/03	24220	14	27,28/02	25608	21	17/02;16/03
22036	28	18,47/02	22410	32	43,44,46/02;19/03	24222	3	27/02	25609	5	30/02
22050	4	19/02;12/03	22413	1	N45/02;N22/03	24223	33	18/02	25613	2	30/02
22051	18	28/02	22417	1	N10/03	24230	20	18,30/02	25640	40	28/02*;15/03
22052	6	28,46/02	22418	2	24,36,44,46/02;19/03	24233	15	36,43/02	25641	26	30/02
22080	3	20,32/02	22420	2	4,11,15,19/03	24234	3	30/02	25644	13	20/03*
22082	4	17,19/02;13/03	22421	4	N43,N44,N46/02;N11/03	24240	5	30,39/02;7/03	25645	17	15/02*
22083	5	19/02	22423	3	N11/03	24250	5	30,39/02;7/03	25646	7	N42/02
22084	4	42/02	22425	2	44,46/02	24251	23	24,34,43/02;6/03	25649	18	18,30,35/02;4/03
22090	2	30,32,43/02;4,17/03	22427	1	N43,N44,N46,N50/02; N11/03	24252	5	30,39,43/02;6/03	25650	33	22*,30/02
22100	3	20,32/02;12/03	22429	1	N24,N46/02;N10,N14, N17,N19/03	24260	5	34/02	25653	13	8/03*
22101	19	16,20,32,43/02	22430	6	19/03	24270	3	24,27/02;17/03	25659	9	20/03*
22102	19	17/03	22433	3	39,47/02;11,14/03	24271	14	17/03	25663	27	19/02*;17/03
22109	3	17/03	22436	2	39/02;10,14/03	24274	2	17/03	25664	15	17/03
22111	4	32/02;17/03	22440	1	19/03	24290	3	36,43/02	25666	17	17/03
22112	3	23,25,30,32,43/02;17/03	22471	31	18,44/02	24291	4	36/02	25667	20	15/03
22113	8	23,25,30/02;12,17/03	22481	35	43,44/02;19/03	24292	4	36/02	25668	18	15*,16,48,49/02;13/03
22114	5	16,32,42,43/02;17/03	22482	16	44,50/02	24293	6	32,36/02	25670	41	26,38,48,49/02;4,5,13, 20/03
22120	3	18,23,30,34,36,39,41,43, 52/02	22521	3	12,17/03	24294	22	36/02	25671	18	21/03*
22121	9	17,23,30,34,36,44,52/02	22523	3	12,17/03	24300	4	27,28,34,43/02;6,17/03	25673	15	28,42/02
22124	2	17,34,52/02;6/03	22529	3	12,17/03	24321	3	6/03	25675	9	20/03*
22125	1	18,36/02	22531	2	12,17/03	24322	6	28,34/02;6,17/03	25679	10	20/03*
22126	1	36/02	23000	5	18/02	24350	2	31,51/02;18/03	25681	15	4,22/03
22130	2	44/02;14,17/03	23010	4	27,38/02	24355	2	51/02	25683	17	30,49,52/02;5,20/03
22138	2	18,41,44,48/02;6/03	23020	4	22/03	24370	1	34/02	25685	9	22/03*
22140	2	30,34,36,44/02	23023	4	27/02	24375	2	34/02	25687	11	15,35/02
22142	2	39,41,43/02	23030	6	27,38/02;21,22/03	24380	2	35/02	25700	3	15/03
22143	3	17,41,52/02;14/03	23115	3	27/02	24388	2	35/02	25720	3	33/02
22145	2	N41/02	23121	7	30/02;17,20/03	24404	8	21,26,35,44,48/02	25800	3	24,36/02
22160	2	30,34,39,41,48,52/02	23122	8	23,30,33/02	24405	10	26,35,36,44,48/02	25841	9	24,36/02
22170	3	30,39/02;6/03	23123	3	30/02	24406	30	20,26/02;2/03	25848	25	5,13,15/03
22172	8	48/02*;4,6/03	23124	3	N30/02;N17,N20/03	24408	21	36,44,48/02	25849	13	42/02;12/03
22173	36	48/02*;6,17/03	23125	4	30/02;17/03	24410	2	21,44/02	26001	4	9/03
22180	2	30,34/02	23126	6	N24/02*	24430	5	39/02;8,11/03	26050	1	34/02
22181	16	17,27,39,41/02	23127	4	N24/02*	24431	14	39/02	26060	1	49/02
22182	6	30,34/02;14/03	23128	4	N24/02*	24434	4	39/02	26068	11	18/03
22183	3	20/02	23129	2	N24/02*	24452	7	16,26/02	26081	8	46/02;16/03
22190	2	30/02	23131	7	26,31/02;12,22/03	24460	4	15,17,39,47/02;15/03	26083	14	29/02
22205	2	16/02;12,18/03	23141	7	34/02;22/03	24461	4	16/03	26122	30	22/03*
22221	20	20/02	23142	10	8/03	24462	5	15,47/02;16/03	26127	21	49/02;5/03
22222	1	4/03	23150	10	20,37,52/02	24463	6	24,39/02;12,15/03	26128	50	49/02;5/03
22225	2	12,18/03	23151	3	12/03	24465	6	15,23,33,47/02	26129	11	26/02
22233	29	13,18/03	23152	3	37/02;12/03	24469	1	20,46,47/02;13/03	26142	10	24,33/02
22250	2	42/02;12,18/03	23153	8	20,31/02;12,13/03	24470	4	28,39,47/02	26210	2	24,36/02
22251	11	12/03	24000	39	27,29/02	24471	8	28,47/02	26229	11	17/02
22259	4	20/02;20/03	24004	36	29,30/02	24480	1	17,25,27,41,44,45,49/02	26230	12	17/02
22264	2	20,42/02;13,18,20/03	24016	53	30,39/02	24482	2	24,49/02	26240	7	23/02;9/03
22275	3	20,42/02;12,18/03	24020	47	27/02	24483	2	20,24,49/02	26244	3	9/03
22281	9	12,18/03	24024	46	18/03	24484	3	24,49/02	26245	16	51/02;15/03
22282	17	19/02;12/03	24028	6	23,48/02	24490	3	24,31/02	26259	2	51/02
22283	3	N19/02;N12/03	24050	11	27,31,34,38,49/02;20/03	24491	3	31/02	26260	5	24/02
22284	7	N10/03	24052	15	31,37,38/02;14,19,21/03	24492	20	31,46/02	26261	27	8/03
22290	4	20/02;18/03	24053	16	24/02;19/03						

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 22/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
26282	6	22/03	35100	14	40,45/02;5/03	36180	23	17,20,21,22,36,40,50/02;	37166	2	15,16,17,26/02;14,19,21/03
26290	1	21/03**	35101	6	41/02	36181	18	17,20,21,22,36,40,50/02;	37170	11	38/02;14,19/03
26295	1	21*,22/03	35103	5	41/02	36182	6	20,36,40/02	37175	2	5/03
26300	7	21/03*	35120	13	40,45,47/02;5/03	36183	22	23,28,47,48/02;14/03	37180	20	21,38/02
26308	5	21*,22/03	35130	3	48,51/02;5/03	37000	16	17,18,23,41,45,47/02;5,	37182	14	35,47,48/02
26309	26	17/02;11/03	35135	1	5/03	37005	16	12,13,15/03	37183	9	48,51/02;10/03
26312	2	21/03	35136	2	48,51/02	37010	23	15,16,17,18,23,26,41,45,	37184	8	48/02;5/03
26316	3	21/03	35141	11	34/02	37010	23	47/02;10,12,13,15,19/03	37200	15	18/02
26320	5	15,24,27,28,29,35/02;7,12,22/03	35143	7	34/02	37020	26	38,51/02;1/03	37202	2	18/02;22/03
26323	4	1/03	35144	3	11/03	37025	2	39/02;22/03	37205	2	39/02;22/03
26327	2	N41/02*;N17/03	35150	3	48/02	37032	2	1,6/03	37221	13	15,16,17,18,20,21,24,25,27,28,34,36/02;6,10,11,12,13,14,15,21/03
26328	2	15/02	35159	3	25/02	37033	2	47/02	37222	13	15,27,28/02;21,22/03
27005	4	6,8,9,22/03	35163	7	25,44/02	37034	2	8,14/03	37223	14	26,42/02;21/03
27040	5	9/03	35166	4	35/02	37041	15	17,20,27,50/02	37224	11	15/02;22/03
27041	4	50/02	35169	2	35/02	37042	5	17,41,45/02	37226	17	15,16,17,19,20,21,25,28,30,39/02;8,9,12,14,17,21/03
27060	2	22/03	35200	7	48,51/02;5/03	37043	17	17,20,43/02	37228	14	21,24,27/02;8,14/03
27080	4	20/02;15,22/03	35210	3	29/02	37044	16	45/02	37229	15	15,16,17/02;8/03
27081	6	49/02	35230	3	29/02	37045	11	45/02	37230	14	16,18,24,25,39/02
27082	6	18,49,51/02	35236	2	38,50/02	37046	18	21,31,43/02	37231	18	15,20,21,25,28,30/02;6,10,12,14/03
27084	4	13/03	35246	2	38,43/02	37050	9	18,26,42,46/02;10,12,17/03	37232	12	15,16,17,19,20,21,25,28,30,39/02;8,9,12,14,17,21/03
27100	2	31/02;8,21/03	35247	4	50/02	37060	3	17,21,31,46,50/02;9,13,18/03	37233	13	15,20/02;7,8/03
27120	4	41,43,44/02	35255	3	50/02;14/03	37061	15	36,38/02;5/03	37235	11	15/02;17/03
27142	5	9/03	35256	2	14/03	37063	21	16,21,28,36,50/02	37238	6	17,21/03
27160	2	8,13/03	35270	2	38,46/02	37064	8	17/02*	37241	17	16,17,26/02
27161	4	8,13/03	35276	3	46/02	37065	7	19/02*	37242	10	15,20/02
27163	21	49/02;8/03	35277	3	38,46/02	37075	3	21,31/02;5,18/03	37244	11	16,17,26/02
27183	8	1,9/03	35279	3	38/02	37079	5	22/02	37246	14	15/02;21/03
27186	8	1,9/03	35295	3	27/02	37080	3	17,24,27,30,33,34,38,40,42,44,45,46,51/02;1,4,7,9,14,16,14,15,18,20,21,22/03	37248	18	39/02;21/03
28004	1	20,23,45/02;8,9,22/03	35298	7	27/02	37081	23	18,20,21,28,38,43,50/02	37258	4	15/02;1,11,22/03
28006	1	8/03	35299	9	13/03	37082	9	28,44,50/02;11/03	37261	10	15,28/02;7,11,20,22/03
28050	3	28,34/02	35301	6	17/03	37083	8	20,22/02	37262	20	1,11/03
28084	4	17/03**	35302	7	17/03	37084	9	20,22,38,40,43/02	37264	3	30/02;1,15,22/03
28110	2	15/02*	35303	7	40/02;17/03	37085	8	38,40/02	37265	3	18,24/02;1,7,17/03
28150	3	8/03	35308	5	10/03	37086	8	38,50/02;4/03	37281	15	30/02;1,15,22/03
28162	29	28/02	35310	2	22/02	37088	9	5/03	37320	16	18,26,27,28,38,44/02;9,10,11,P12,15,17,21/03
28164	17	28/02	35330	2	22,38,41/02	37089	12	21,28/02;4,13/03	37325	8	18,34,39,47/02;15,18/03
28190	2	41,43,45,46/02;18/03	35350	2	38,41/02	37090	8	27,32,45,51/02;1,7,9,14,16,22/03	37326	2	34,47,51/02;15,18,21/03
28196	4	41,43,45/02;18/03	35400	11	30/02	37095	3	15,17,18,24,28,32/02;1,7,9,11,14,15,16,20,22/03	37328	2	18,42,44/02;11,15,21/03
28197	4	45/02;18/03	35402	3	38/02	37101	9	15,18,27/02	37330	2	22,24,26,30,32,34,38,40,46/02;9,10,11,15,17,21/03
28202	22	41,44/02	35420	13	24,30/02	37103	9	15,27,29/02	37342	3	17,32/02;2,11,15,21/03
28210	2	33,35,39,41/02	35421	14	31/02	37104	3	41/02	37343	10	45/02
28220	2	35,39/02	35423	6	31/02	37110	11	15,17,18,19,24,27,28,29,47/20/03	37344	11	17,32/03;4/02;21/03
28221	18	33,37,39/02;5/03	35424	3	30/02	37112	1	47/02	37360	15	15,17,27,28,30,32,34,43/02;9,10,11,15,17,21/03
28223	4	35,39/02	36005	2	15,17,24,27,28,34,36,38,45,46/02;P12,14,17/03	37115	2	15,17,18,19,27,28,29,33,47/02;7/03	37362	6	17,31,43,48,51/02;1,2,4,17,22/03
28263	3	35,37/02	36010	27	16,19,20,22,24,38/02;5,15,16,20/03	37119	2	43/02	37363	8	48/02;4,17/03
28264	3	35,37/02	36015	2	17,24,27,36,46/02	37120	2	15,19,24,27,29,31/02	37367	1	38,49/02
28265	3	37/02	36040	16	19,30/02;1,15/03	37121	11	15,24,27,29,31/02	37380	2	15,17,34,40,42,43,44,48,51/02;9,10,17,21/03
28281	32	36/02	36046	5	38/02	37122	12	48/02;19/03	37400	10	15,28,34,38,40,41,44,46/02;6,10,20/03
28282	2	35/02	36060	17	16,19,31,38/02;5,8,20,21/03	37123	9	19,49/02;6,20/03	37401	9	28,32,44/02;4,6,13,14,16,22/03
28300	1	23,39,50/02	36061	5	46/02;20/03	37125	15	15,19,24,42,49/02;6,9,20/03	37402	7	28,32,41,42,44,50/02;4,13,14/03
28302	16	31,33,39,40/02;12/03	36062	11	40*/46/02	37126	8	15,41/02	37403	23	24/02;10/03
28310	2	23,31,33,35,39/02	36098	6	5/03	37127	11	49/02;4,6,20/03	37420	1	34,43/02;1,7/03
28320	6	33/02	36102	6	13/03	37129	6	39,42,49/02;4,6,20/03	37421	8	14,21/03
28321	36	29/02	36103	9	13/03	37134	5	38/02	37423	5	14,21/03
28323	2	27,29/02	36104	6	13/03	37136	6	38,46,50,51/02	37441	4	15/02
28325	2	27,29/02;5/03	36113	4	38/02	37137	6	46,48/02	37445	1	48/02;1/03
28330	2	27/02	36117	6	18/02	37139	8	18,23/02;1/03	37446	2	1/03
29002	9	18/03	36118	3	5/03	37140	33	15,17,19,21,22,24,27,29,31,35,45,49,51/02;4,6,16/03	37461	9	51/02;6,20/03
29015	5	22/02;16/03	36120	9	16,19,20,22,31,41,6/02;5,8,16/03	37141	29	20,21,23,36,40,48,51/02;1,4,12,17,19/03	37463	6	1/03
29121	5	32/02	36122	12	16,19,21/02	37145	23	46,50/02;4/03	37481	7	47,48/02;6,7,14/03
29122	5	32/02	36124	18	4/03	37147	15	21,35,36,40/02;1,10,12,16,17,19/03	37501	3	46,47/02;7,8,20/03
29142	3	7/03	36125	4	10/03	37148	13	17,21,35,38/02;4,10,11/03	37505	2	46/02;7/03
35000	26	23,24,47,48/02;14/03	36126	10	20,35,45,47,50/02;4,4,10,18/03	37149	10	44/02	37506	4	45,46,47,51/02;8,20/03
35008	21	45,48,50/02;5/03	36128	25	16,19,21,46/02;11,16/03	37150	8	16,21,22,31/02;14,19/03	38030	1	20,21/02
35009	19	15,40,41,45/02;5,10,14/03	36129	18	4/03	37151	15	21,35,36,40/02;1,10,12,16,17,19/03	38460	7	18/02
35011	2	48/02;1/03	36130	4	38/02	37152	14	20,24,34,44,45,47,50/02;4,4,10,18/03	38463	2	N18/02
35016	17	29/02	36138	3	39/02;4/03	37153	13	17,21,35,38/02;4/10,11/03	38480	6	18/02
35031	3	22/02	36139	4	4/03	37154	29	20,21,23,36,40,48,51/02;1,4,12,17,19/03	38528	4	N20/03
35036	21	17,19,24,30,36/02;10,15/03	36140	12	21,22,24,36,41/02;4,4,10/03	37155	10	44/02	38580	8	18/03
35040	18	21,45/02;4,8,10,14,21/03	36141	7	4/03	37156	4	15/02	38585	4	18/03
35041	8	21,35/02;4/03	36142	6	24/02	37157	2	15,16,17,26/02;11,12,13,14,15/03	38603	2	17,21/02
35042	9	21,27,44,46/02;4,14/03	36143	4	18,34/02;5/03	37158	12	15,16,17,26/02;11,12,13,14,15/03	38610	1	20/02
35044	9	38/02	36161	10	20,24,34,44,45,47,50/02;4,4,10,18/03	37159	10	44/02	38460	7	18/02
35047	5	35/02	36162	10	20,35,45,47,50/02;4,4,10,18/03	37160	8	16,21,22,31/02;14,19/03	38463	2	N18/02
35060	14	18,22,40,41/02;10,14/03	36163	13	20,31,34,35,38,44,45,47,50/02;4,4,10,18/03	37161</					

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 22/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
41000	2	15/03	44044	6	6,10,13,16/03	44284	2	41/02;6/03	51620	10	20/03
41060	3	34/02	44045	6	22/03	44285	1	2,15/03	51621	9	20/03
42160	3	7/03	44046	10	18/02;22/03	44286	1	2/03	52031	1	6,21/03
42600	5	14/03	44047	22	26,44/02;10,12,22/03	44310	5	20,29,41,42/02;7/03	52039	4	5*,7,8,9,13,14,18,21/03
42620	5	14/03	44048	11	5,12,18,22/03	44313	1	27,41,47/02	52040	17	43,50/02;13,16,18/03
42740	5	34,41/02;6/03	44049	9	18,44,46,50/02;8,14,22/03	44319	2	21,41,42/02;4,6,9,10,P20/03	52042	6	22/03*
42742	3	6,8/03	44050	21	18/02;20/03	44320	4	23,29/02;6,8,9,15,P20/03	52043	21	46/02;6,7/03
42760	5	8,19/03	44051	1	44,48,50/02;1,11,14,22/03	44321	6	19,22,23,29,32,40/02;6,8/03	52045	6	36/02
43000	4	9/03							52046	21	50/02;6,7,16,18,21/03
43015	12	9/03							52047	11	7,8/03
43030	24	25,28/02;2,9,10,11,12,13,15,17,22/03	44057	5	21,25/02	44340	11	16,20,21,37/02;4,6,8,9,15,17,P20/03	52048	3	8/03
43058	3	20/03	44061	21	18,21/02				52051	1	43/02
43059	3	34/02;20/03	44063	8	21/02;17/03	44341	7	25,37,41/02;7,9,P20/03	52052	1	43/02
43060	4	44/02	44064	19	22/03	44342	8	37,41/02;6/03	52054	1	14/03
43079	2	41/02	44065	7	15,16,20,25,30,42/02;16,17/03	44352	2	4,6,7,8,12,15,17,19/03	52055	1	14/03
43082	5	41/02	44066	10	16,20,27,39/02	44360	9	16,20,21,34,37,41,42/02;4,9,10,20/03	52060	16	43,50,51/02;7,12,P20/03
43101	3	46/02	44067	22	16,21,25,29/02;16,17/03	44361	6	21,27/02;4,10,15,21/03	52061	2	45,48,51/02;7,12,20,P20/03
43102	4	46/02	44068	11	17,18,20,24,26,44/02;10,11,13/03	44365	1	7,8/03	52062	7	7,12/03
43104	4	46/02	44069	16	16,18,20,21,24,29,31/02;11,13,17,22/03	44366	1	34,41/02	52066	3	50/02;14,16/03
43106	6	44/02				44367	2	15,16,18,20,22,25,26,29,35,37,40/02;6/03	52080	14	50,51/02;4,7,10,11,12,14,20,P20/03
43127	5	20/03				44400	4	48/02;4,6,7,8,9,12,15,17,19/03	52082	3	45,46,48/02;11,12,20,P20/03
43140	4	17,41,48,52/02;12/03	44072	4	21/02				52083	2	45,46,51/02;1,16/03
43141	5	52/02;12/03	44073	2	21/02	44401	7	10,12,19/03	52084	2	45/02;4,10,11,12,14,18/03
43142	4	52/02;12/03	44075	4	16,17,21,29,31,42/02;13/03	44410	4	4,6,11,12,13,14,15/03			
43143	4	12/03	44076	3	18,25/02;22/03	44420	6	36,49/02;8,9,10,11,12,14,17,22/03	52085	3	50,51/02;4,11,16/03
43144	4	17/02;6,12/03	44081	9	15,16,17,20,24,25,39/02;9,13/03	44430	2	16,17,28/02;6,10,11,14,19/03	52086	2	45,50,51/02;1,4,9,11,14/03
43150	2	48/02	44082	11	15,16,17,18,21,24,25/02;9/03	44444	6	31/02;9,12/03	52087	1	51/02
43160	6	17/02	44083	8	15,21/02;9,11/03	44461	10	16,17,19,28/02;6,10/03	52088	2	45/02;4,10,11,12,14,18,P20/03
43161	2	17,41,44/02	44084	1	6,11/03	44462	4	19/02			
43163	3	44/02	44085	2	21,25/02	44465	2	16,17,19,28/02;6/03	52092	1	46,51/02;16/03
43164	3	17,48/02;6/03	44100	7	15,16,17,18,24,25,26,44/02;9,11,12,13,22/03	44481	2	26,28,31/02	52120	12	32,51/02;6,11,16,18/03
43180	5	9/03				51007	22	38/02;7/03	52121	8	45,46/02;1,6,8,11,16/03
43182	4	47,52/02				51013	4	38/02;7,21/03	52122	14	45/02;11,14/03
43223	4	41/02	44105	2	49/02;5,6,8/03	51017	31	37/02	52124	1	51/02
43225	4	17,52/02	44120	7	15,16,17,18,21,26,27,28,29,31/02;2,9,10,15,19,20,22/03	51022	11	37/02	52125	1	45,46/02;8,11,16,18/03
43240	4	50,51/02				51061	14	1,7,15,17,19,21,22/03	52140	6	48,50/02;3,12,18/03
43242	4	52/02	44140	8	16,26,27,28,29,31,50/02;1,6,19,21/03	51062	28	15,17,19,22/03	52141	5	48/02
43243	4	50,51/02	44160	7	46/02;1,4,5,6,11,13,14,15,20/03	51064	2	52/02;1,17/03	52142	2	12,18/03
43248	3	9/03				51081	10	5,6,13,15,17,21,22/03	52143	8	18/03
43263	7	44/02	44160	7	46/02;1,4,5,6,11,13,14,15,20/03	51082	7	5,7,13,15,17,21,22/03	52144	5	50/02;3,7,8,10,14,16,18,21/03
43265	2	44,52/02				51100	7	1,6,7,8,9,14/03			
43270	2	44/02	44161	2	29,50/02;1,2,6,10,21/03	51103	10	29*,33,45/02	52161	14	6,11,14/03
43280	5	44/02	44162	1	50/02;1/03	51104	1	29*,33,45/02	52164	2	14/03
43281	6	20/02*	44163	1	48/02	51120	6	6/03	52170	3	14,16/03
43284	4	16,51/02	44164	1	46,48/02;1,11,18,22/03	51135	1	22/03	52172	2	40/02;1/03
43285	5	15,16,44/02	44165	1	46/02;1,5,6,11,20,22/03	51142	2	6,13,15,22/03	52180	14	21,24,42,43,51/02;1,8,10,13,15,16/03
43300	5	15,44,47,50/02	44178	2	21/02;2,5,7,10,16/03	51143	4	6/03			
43301	4	15,45,50/02	44179	2	10,16/03	51144	3	52/02;1,15/03	52200	8	7,17/03
43302	4	44,47,50/02	44180	6	18,20,24,29,34,45,46/02;1,2,5,7,8,9,20/03	51145	2	42/02;13,22/03	53011	2	51/02
43303	4	41,47,50,51/02				51146	3	42,52/02;5/03	53031	1	17,18,19,21,22,27,28,30,39,48/02;5,12,14/03
43304	2	44,47,50/02	44181	5	5,10,13,20,21/03	51150	1	50,51/02;1,13,15,22/03	53058	2	4/03
43321	6	30,41,47/02	44182	4	21,48,49/02;1,2,15,18/03	51154	3	50,51/02;13,15/03	53060	14	15,17,18,19,21,22,27,28,30,32,51/02;4,5,9,10,12,14/03
43323	4	30/02	44183	6	48/02;1,6,8,9,10,19,20/03	51155	1	50,51/02;1,15,22/03			
43324	4	30/02	44184	9	21,45,49/02;2,10,13,20,22/03	51158	2	6/03	52200	8	7,17/03
43341	7	41/02;12/03				51159	3	47/02	53011	2	51/02
43345	4	1/03				51160	20	48,50,51/02;1,4,5,6,7,14,15,21,22/03	53061	10	19,28,30,44,47/02;12,16,17/03
43360	21	17,28/02;6,10,13,17,20,21/03	44185	7	45,49/02;1,2,10/03	51163	4	4/03	53062	13	1,14,16/03
43363	5	45/02	44186	2	21,45,46,48/02;1,2,5,8,9,10,15,16/03	51164	18	38,45,46,50/02;2,4,8/03	53063	8	19,28,44,47/02;4/03
43364	5	45,46/02				51165	8	25,45,50/02;2,4,8,10,14,16/03	53064	6	33/02;10,20/03
43371	13	22/02	44187	2	21/02;5,6,9,13/03	51166	3	N25,N45/02	53065	2	33/02
43372	4	22/02	44192	1	21,29,46,48/02;1,18/03	51167	6	45,50/02;2,4,8,10,16/03	53066	2	33/02;20/03
43373	8	45/02;17,20/03	44193	1	26/02;1,7,15,18/03	51168	2	45,46,50/02;2,4,8,4,8/03	53081	8	15,21,30/02;4,5,11,16/03
43374	1	22/02	44200	9	20,24,29,34,52/02;4,9,12,13,22/03	51176	5	45,50/02;2,4,8,10,16/03	53082	13	40/02
43375	7	46/02;6,7,10,12,16,18/03	44203	1	20,24,33,48/02;2,5,15/03	51178	5	13,16/03	53083	8	18,19/02;9,10,21,22/03
43384	1	48/02;4,5,6,7,10,11,12,13,15,16,17,18/03	44204	1	48,52/02;2,4,5,7,12,13/03	51200	4	14/03	53084	6	17,18,24,51/02;14,16/03
43385	1	27,45,48/02;5,11,13,20/03	44205	2	48,52/02;2,5,7,12,15,19,22/03	51220	8	33/02;18/03	53085	6	17,24,51/02;14,16/03
44001	2	48,49/02;1,6,7,8,9,11,13,14,P20/03	44206	1	46/02;4,5,13,14,16,17,19/03	51222	6	5/02;16/03	53086	8	20,46,48/02;17/03
44015	8	28,31,48,49/02;6,7,8,9,10,11,13,14/03	44207	1	4,5,17,19/03	51223	2	17,18/03	53087	9	48/02;17/03
44030	7	20,46/02;4,8,9,13,19/03	44220	5	46/02;4,5,13,16,21/03	51225	3	27/02	53088	7	33/02
44036	5	28/02;13,16,17,20/03	44221	1	19,21/03	51240	2	33/02	53089	4	21,22/03
44037	5	16,22/03	44223	1	6,13,21/03	51260	4	37,50/02;16,18/03	53090	1	41/02
44038	5	18/02	44224	1	49,02/5,20,21/03	51261	23	5,6,13,15,19/03	53093	2	20/02
44040	23	28,44/02;6,10,13,16,17,20,22/03	44224	8	49,50/02;4,7,13,14,15,16,19,21/03	51263	23	49/02;13,17/03	53100	16	18,19,21,24,28,33,39,42,51/02;6,10,13,18,20,21/03
44041	7	48/02;1,9,10,13,16,20/03	44226	7	29/02;2,5,6,13,21/03	51300	4	27/02	53101	7	33/02;8,13,16/03
44042	7	21,44,45,49/02;4,7,9,10,11,17,19,20/03	44280	9	29,34,49,50/02;2,6,12,15,19,22/03	51342	3	1/03	53104	2	20,35,42/02;20/03
44043	8	44/02;1,6,9,10,11,13,16/03									

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 22/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
53120	14	18,20,21,27,28,39,42/02; 5,6,7,13,17/03	54223	2	21/02;8/03	55064	3	23,37,48/02;6/03	61060	5	12/03
53122	3	20,29,40/02;7,8,16/03	54224	2	21/02;8/03	55082	9	5/03	61061	9	10,12,15/03
53123	3	7/03	54225	2	21/02	55084	7	39/02	61070	4	9/03
53125	2	46,51/02;13/03	54226	2	50/02	55085	9	5/03	61071	9	18/03
53130	1	27,42,47/02;10,13,18/03	54227	2	50/02	55100	8	29,36,37/02;6/03	61080	4	9/03
53133	3	41,46/02;16/03	54266	2	13/03	55101	4	7/03	61090	5	12/03
53135	2	20,51/02;7/03	54279	4	50/02*;2,15/03	55102	3	24/02;4,5,15/03	61091	5	12,18/03
53141	5	20,24,34,51,52/02	54280	10	15,20/02;5,15,22/03	55103	2	24,29,48/02;1,4,5,7,15,	61092	13	18/03
53147	3	36,39,42,51/02;6,7,10,13, 17,20/03	54281	6	20/02	55104	2	48/02;4,5,7,14,19/03	61100	4	10,12/03
53149	2	31/02	54282	1	51/02	55105	7	18,29,36,41,42/02;14, 15/03	61110	3	28/02
53160	14	20,51/02;3,6/03	54284	1	51/02;15/03	55110	2	23,24,29,37/02;6/03	61112	10	17/02
53161	8	51/02;3,8,13,18/03	54286	4	19/02	55120	2	36/02;6,14/03	61120	4	28/02
53162	7	50/02*;15/03	54287	7	5/15/03	55127	2	10,14/03	61140	5	27/02
53164	9	20,37,51/02	54288	5	1/03	55128	2	26,33,36,38/02;1,4,5,8, 14/03	61141	6	38/02
53165	13	39/02*;8/03	54289	8	19/02;1/03	55140	2	1,5,14/03	61142	6	38/02;7/03
53180	10	33,34,43,51/02;1,3,6,7, 13,15,18,20,21/03	54300	12	31/02	55140	7	33,36,37/02;6,15/03	61170	5	27/02
53181	4	34/02;1,13,21/03	54302	1	31/02;21/03	55140	2	27,45/02;5,14,19/03	61180	4	20,27/02
53182	4	36/02;15,16/03	54318	3	19/02;1,14/03	55140	1	27,36,45/02;6,19/03	61190	4	39,41/02
53183	13	19*,35/02;20/03	54320	4	20,48/02;1/03	55143	3	5,14/03	61200	7	17,21/02
53184	5	32,35/02;1,6,13,18,20/03	54322	7	19,20/02;1/03	55143	5	41/02	61204	5	13/03
53200	6	33,36,43/02;5,6,7,15,16, 20/03	54324	8	19/02	55144	2	1,2,17,21/03	61210	6	17/02
53201	6	51/02;18,21/03	54327	4	20,31/02	55145	2	18,24,28,29,42/02	61220	5	17/02
53202	6	15,17/03	54329	4	5/03	55146	2	29/02;17/03	61240	7	18/02
53203	11	5/03	54334	3	5/03	55147	2	18,29,31,36,41/02	61250	4	18/02
53204	10	44/02;5/03	54337	3	19,31/02	55148	2	33/02;1,15/03	61300	2	7/03
53205	3	5/03	54340	8	19,48,51/02;3,4/03	55149	1	24,28/02	61310	2	33/02;7/03
53206	6	17/02;5/03	54344	6	19,48/02	55150	2	24,28,29,37/02;15/03	61311	5	17,33/02
53220	6	36,43,51/02;5,16/03	54346	8	19/02;11,12,13/03	55150	2	6,20/03	61312	3	17,33/02
53223	5	29/02	54347	4	51/02	55150	2	27/02;8,10,20/03	61331	4	7/03
53226	3	3*,17,18/03	54350	4	51/02	55151	1	1,2,17,21/03	61400	2	27/02;7/03
53242	12	52/02;1,13/03	54351	7	52/02	55152	4	21/03	61410	2	7/03
53244	2	1/03	54352	3	52/02;1,3/03	55153	6	22/02	61430	2	7/03
53262	7	22,42/02;21/03	54360	12	15,19,20,52/02;20,21/03	55154	6	22/02	61433	1	7/03
53263	1	37/02;17/03	54362	3	52/02	55155	1	23/02*	61440	2	15/02
53264	5	17/03	54363	3	15,19,20/02;21/03	55156	8	33/02;12,16/03	61450	2	17,27/02
53265	6	19,35,41,46,52/02;15, 16/03	54364	2	52/02	55157	6	38/02;2,16/03	61470	2	15/02
53266	4	1,8,13,17/03	54365	6	15,19,36/02;11,21/03	55158	3	33,38/02;16/03	61472	1	15,20/02
53268	4	22,42/02;7/03	54366	3	15/02	55159	3	48/02*;20/03	61500	2	17/02
53269	5	19/02;17/03	54368	4	20/02	55160	8	18,30/02;1/03	61510	2	15/02
53279	3	7,15/03	54369	4	15,52/02;20,21/03	55161	1	19,49,50/02;1/03	61520	2	15/02
53281	4	31,40,52/02;15,18/03	54372	2	20/02	55161	6	33/02;1/03	61522	1	15/02
53282	8	40/02	54380	6	19,26,42/02;3,16,18/03	55162	23	1/03	61538	1	15/02
53283	4	33,52/02	54382	9	26/02;16/03	55163	6	18,30/02;1/03	61540	2	15,20/02
53284	4	33,40/02;7,21/03	54386	10	42/02;16,18/03	55164	3	22,38/02	61550	2	17/02
53285	4	35/02;7,15/03	54387	7	23,42/02;16,18/03	55164	3	22/03*	61560	2	15/02;7/03
53287	6	20,27,35,42/02;1,5,7,8, 10,15,22/03	54389	8	43,52/02	55165	12	1/03	61562	2	6/03
53290	1	35/02	54400	8	20,32,43/02;3,16,22/03	55166	3	22/02*	61581	5	18/02
53301	4	27/02;22/03	54402	4	52/02	55167	6	20/02*	61582	4	18/02
53302	4	51/02	54404	4	19/02	55168	9	12/03	61610	7	28,29/02
53303	6	49,51/02	54407	4	32,43/02;3,7,16/03	55169	10	10,12/03	61611	11	28/02
53306	2	21,39/02	54409	2	23,32/02;7,8,12/03	55170	5	40,41/02	61612	4	28/02
53311	3	39/02	54413	3	31/02	55170	3	41/02	61650	3	17/02;12/03
54040	3	37/02;6,10,20/03	54418	4	32,43/02;3,7,16/03	55171	3	41/02	62000	20	18,46/02
54041	7	18,35/02;4,8,16,17/03	54419	2	3/03	55171	10	10,12/03	62001	5	11/03*
54043	2	15,17,18,29/02;17/03	54421	6	28,47/02	55172	3	41/02	62024	13	38,40/02
54060	5	18,37/02;16/03	54422	4	19/02*	55172	10	43/02	62028	15	18/02;10/03
54061	11	52/02	54423	5	48/02*;17/03	55173	4	31/02	62032	16	11*,17,21/03
54063	3	1,13/03	54430	1	26,28,37,43/02	55174	7	43/02	62033	3	N11*,N17,N21/03
54081	3	10/03	54440	4	30,41/02;17/03	55174	10	43/02	62046	3	19/03*
54083	4	19/02	54441	6	30,42/02;2/03	55175	7	43/02	62050	6	18,44/02
54085	2	18,19,40/02;15/03	54464	5	17/03	55176	1	43/02	62092	7	41/02
54090	3	46/02*;11,15,19/03	54480	8	22,30,36,41/02;2,17, 21/03	55176	4	31/02	62093	7	16,41,49/02
54095	3	46/02*;8,15/03	54481	8	22,30,36/02	55177	5	43/02	62095	3	11/03*
54105	3	46/02*;8,13,17,19/03	55001	4	18,29,36,37,42/02;14, 15/03	55178	1	43/02	62140	1	34,40/02
54115	3	46/02*;15/03	55040	4	15,18,23,27,28,31,32,39, 41/02;16,20,21/03	55178	2	12/03	62142	10	24,28/02
54120	5	15,16,17,18,19,20,37,39, 41/02;15,17,19/03	55041	7	15,22,32/02;21/03	55179	3	12,15/03	62143	3	24,28/02
54125	3	46/02*;15,17/03	55042	1	18,21,27,28,42/02;17/03	55179	2	12/03	62144	3	24/02
54140	7	15,16,17,18,41/02;21/03	55043	2	21,23,27,28,37,39,42/02	55179	8	12,15/03	62170	2	38/02
54151	1	15/02;3/03	55044	5	22,23,41,43/02;16/03	55180	2	12/03	62171	4	38,47/02
54161	12	16,17,19/02;10,20,21/03	55045	2	18,21,23,41/02	55180	4	12/03	62191	15	11*,15/03
54165	2	33,37/02	55046	4	21,22,23,26,27,30,31,37, 38,39,41,48/02;18,19/03	55180	3	12/03	62193	17	17*,19,31/02
54166	3	10/03	55047	2	12,23,27,28,37,39,42/02	55181	4	10,12/03	62194	8	17*,18,19,31,36/02;4/03
54167	2	17,19/02;20/03	55048	4	22,23,26,27,29,30,31,37, 38,39,41,48/02;18,19/03	55181	3	12/03	62195	7	19/03*
54168	1	37/02;10,17/03	55048	12	23,27,32,36,37,39,41, 48/02;20/03	55182	2	12/03	62220	9	21/03*
54169	3	16,37/02;17/03	55048	8	22,23,26,27,29,30,31,37, 38,39,41,48/02;18,19/03	55182	4	12/03	62222	5	19/03*
54180	6	19,41,43,50/02;5/03	55048	12	23,27,32,36,37,39,41, 48/02;20/03	55183	2	12/03	62225	3	17*,37/02;17/03
54195	2	5/03	55049	6	22,27,30,41,43/02	55183	4	10,15/03	62241	10	9/03
54200	4	21/02;5,8/03	55050	6	10/03	55184	6	10/03	62242	11	47/02;9/03
54201	6	21/02;8/03	55050	7	19,20,36,37/02	55184	4	10,15/03	62250	4	34,38/02
54222	4	21,43/02;20/03	55053	1	6/03	55185	7	15/03	62270	4	37,41/02

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 22/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
62302	2	4/03	63060	7	25,28,32/02	71257	2	15,18,21,23,28/02;5,6,7, 12,13,16/03	73016	4	15,44/02
62310	2	27/02	63062	7	18,28,29/02;7,16,18/03	71258	2	15,18,20,21,28,35/02;5,6, 7,13,22/03	73020	9	25/02;9,21,22/03
62313	4	17*,27/02	63063	9	27,29/02;20/03	71259	3	15*,17,19/03	73024	3	39/02
62330	2	38,40/02	63065	6	18/02	71261	8	35/02;2,16/03	73030	4	20/02;22/03
62340	3	38/02	63070	3	20,27,28,29/02;16/03	71262	7	6/03	73032	4	25/02;9,22/03
62343	3	8/03	63080	5	26,27,28,31,48/02	71265	3	46*,49/02;7,13,15,16, 9/03	73041	2	18/02;5/03
62350	3	10/03	63090	8	25,31/02;15/03	71267			73191	3	7/03
62355	6	8/03	63091	4	26,27,32,39,48,52/02; 9/03	71271	10	23,25,30,34,52/02;19/03	73271	7	21/02;13/03
62360	5	18,38/02;12/03	63100	2	15,44/02	71272	10	23,30,34/20/19/03	73552	4	25,34,45/02;1,7,9,10/03
62361	2	N18,N38/02;N12/03	63101	15	17,19/02;15/03	71275	3	23,35/02;2,6,16,19/03	73570	7	34,45/02;1,10/03
62366	3	38,40/02;2/03	63102	19	17,19,26/02;15/03	71281	7	51/02	73580	4	52/02
62392	7	18/02	63103	17	17,26,29/02;15,16/03	71285	3	23,25,30,34,52/02;13, 19/03	73581	4	16,52/02;3/03
62393	7	34,37,50/02	63110	4	40/02;16/03	71295	2	25,26,30,34,39,40,52/02; 12,19/03	73590	6	16,31,47,52/02
62394	10	34,37,50/02	63111	9	17,25,48/02;9/03	71305	2	31,34,36/02;2,13/03	73601	3	15,17,24,26,31,34,35, 47/02
62395	2	34,50/02	63120	2	44,48,52/02;8/03	71311	4	7/03	73610	4	26,31/02
62400	17	23,24,33/02;4,9/03	63121	5	48/02;5,8/03	71313	8	45/02	73631	4	36,46/02;1,17/03
62401	9	6,10/03	63150	1	15,25,31/02	71314	5	6,10/03	73640	5	23,36/02;16/03
62402	10	10/03*	63200	5	52/02	71315	2	27,31,34/02	74000	6	24,36,47/02;2,7,18/03
62404	3	6/03	63201	9	40/02	71320	1	35/02;5,14/03	74002	2	18,25,27,28,35,47/02
62406	2	24,33/02	63210	3	45,52/02;16/03	71325	8	5/03	74003	5	22,25,28,47/02;7,10/03
62408	7	15/02;10/03	63220	5	26,45,52/02	71330	13	35/02;5/03	74004	2	18,35,37,39,47/02;9/03
62409	6	7/03	63230	6	17*,45/02	71331	11	5,7,8/03	74005	2	18,19,31,34,35,46,47, 51/02;4,7,9,16/03
62411	1	52/02	63231	8	31,45/02	71333	2	6,7/03	74006	2	26,31/02
62413	11	33/02	63232	3	45/02	71335	2	8/03	74007	1	36/02
62417	1	52/02	63233	15	31/02	71340	11	18,19,22,40,46/02;2,4,5, 6,7/03	74008	6	15,51/02
62419	6	33/02;8/03	63240	4	19/03	71343	3	7/03	74009	10	20,22,25,38,49/02;8,9, 21/03
62420	5	33,37,39/02;8/03	63250	6	29,40/02;11/03	71348	3	18,35/02;7/03	74012	10	17,20,22,26,37,40,49/02; 6,8,19,20/03
62429	9	17,27,39,43/02	63271	8	19,52/02;8/03	71350	8	15,18/02;5,6,7,14/03	74015	10	20,40/02;21/03
62431	8	26*,27,37/02	63290	7	19,31,32,38/02;10,22/03	71400	5	14/03	74017	4	17,18,37,45/02;18/03
62432	16	13/03*	63291	9	19,33/02;16/03	71401	1	40,46,51/02;5/03	74018	6	44/02
62433	12	15,30,31,34,45/02;1/03	63310	5	11/03	71402	1	18,40,46/02;4,5,6/03	74020	4	16,17,33,37,38,43/02;5, 18/03
62434	9	40,46,52/02;8,12,17,18,	63320	8	30/02	71410	1	39/02;12/03	74021	7	20,33,35,39,44/02;7, 10/03
21/03			63321	6	30,42/02;9/03	71420	1	38,39/02;3,12,14/03	74024	7	31,44/02
62437	9	32,46/02;21/03	63322	2	30/02;9/03	71430	3	11**/03	74027	9	43,44/02
62439	4	1/03	63330	9	27,39/02;4/03	71440	2	11/03*	74030	6	28,51/02
62440	8	16/03*	63333	15	27,31,39/02;4/03	71445	1	7/03	74053	2	28,51/02
62441	10	16,36/02	63337	15	27,31,39/02;4/03	71450	1	22,25/02;7/03	74054	2	28/02
62448	2	23/02	63370	1	20/03	71455	2	11/03*	74151	9	20,24,27,36,44/02;2, 20/03
62449	4	15/02	63400	1	39/02;8,11/03	71460	1	15,20,25,41/02	74152	11	36,44/02
62451	7	21,23/02	63410	6	39/02;8,9/03	71465	1	20/02	74153	2	36,44/02;2/03
62453	4	16/03*	63413	5	39/02	71470	2	15,38/02;14/03	74162	4	36,46,47/02;8/03
62455	7	17,27,39,43/02	63417	2	39/02	72000	8	31,32,35,45,7,50/02;2,20, 21/03	74171	4	33,36,47/02;3,10,18, 20/03
62456	1	27/02	63420	2	39,45/02;8/03	72007	10	30,36,38,47,51/02;2,5,7, 11/03	74172	5	36,47/02;7,10,18/03
62457	6	11/03*	63424	2	45/02	72014	10	46/02;7,19/03	74181	8	23,28,33,35,37,38,39, 47/02;10/03
62459	2	6/03	71005	1	34/02;2,6,12,13,16/03	72021	8	31,36,38,47,50,51/02;7, 20/03	74182	12	23,24,25,26,28,33,35,37, 38,39,41,42,44,51/02;6, 10,17/03
62460	4	24,31,33/02;10/03	71006	5	39/02	72028	7	15,31,34/02;22/03	74183	11	38,39,42/02;4,6,17/03
62464	2	15*,31,49,50/02;4/03	71009	3	39,46,48/02;1,6,7/03	72035	8	16,31/02;8,21/03	74184	10	23,24,28,33,35,37,38,46, 48/02;17/03
62480	2	16*,18/03	71012	3	19,33,39,46/02;1/03	72045	2	16/02;8/03	74186	7	18,34/02;4,10,17,21/03
62490	2	16*,17,18,21/03	71018	10	15,33,35,37/02;7,12,13, 15,21/03	72060	8	32,50/02	74190	7	22,23,26,35,36,37,46/02; 1,16/03
62498	4	23,25,27,31/02;4,9/03	71027	9	15,19,20,22,24,25,34,38, 45,49/02;2,4,5,14,18/03	72070	4	32/02;2,9/03	74191	2	19,22,24,26,35,46,48/02; 1,7,9/03
62499	4	15*,25,27,31,49,50/02;4, 9/03	71033	31	15,23,37,38,49/02;3,12, 14,15/03	72075	2	20/02;9/03	74192	3	24,26,28,35,46/02;1/03
62510	3	11*,12/03	71036	8	35,44/02;12,14/03	72080	7	20,51/02;2,9/03	74201	9	27/02
62512	3	N11*,N12/03	71040	5	27,34,42/02;7/03	72085	3	15/03*	74202	3	16,21,24/02;1,7/03
62515	2	26,45/02	71042	1	34/02	72094	2	29,38/02;7/03	74204	5	21,24,27,37/02;1,7,8/03
62520	6	20/03*	71043	2	25/02*	72100	7	29/02;7,19/03	74205	2	16,24,25/02
62521	4	N20/03*	71044	1	27/02	72103	2	29/02;4,6,7,19/03	74206	2	24,34/02
62530	6	20/03*	71058	2	23,36/02	72105	2	36,38/02;7,11,19/03	74210	7	25/02;7,17/03
62531	4	N20/03*	71059	1	23,36/02	72107	2	15,27,29/02;7,19/03	74220	8	17,23,25,26,35,47,51/02
62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02;8,12,17,18,21/03	71061	15	23,36/02	72109	3	42,44/02	74221	2	35,51/02
62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48,N50, N52/02;N8,N12,N17, N18,N21/03	71066	1	39/02;6,7,10/03	72110	9	15/02	74229	2	17,22,23,33,37,43,47/02;
			71071	5	15/02	72130	4	46/02	74230	7	18,39,42/02;5,7/03
			71081	3	16/02;21/03	72131	3	11/03	74231	7	19,23,35/02;3,21/03
			71091	4	1,2/03	72131	3	11/03	74232	9	15/02;5,7,21/03
			71140	6	33,39,46/02;1/03	72161	10	15/02;10/03	74234	1	8,17/03
			71180	29	33,37/02;7,12,13,15, 21/03	72173	2	15/02	74240	8	15,34,39,42/02;4,5,7,8, 9/03
			71183	13	32/02	72173	2	15/02	74251	8	15,17,23,25,26,31,32,34, 37,42,44,46,51/02;6,9,17, 21/03
			71185	24	7,13,15/03	72173	2	15/02	74252	9	19,47/02;5,7,9/03
			71186	2	7/03	72173	2	15/02			
			71210	18	44/02;3/03	72181	2	36/02;7,11/03			
			71211	4	38/02	72190	2	30/02;10/03			
			71212	1	18,38/02	72201	8	8/03			
			71223	8	17/02	72203	2	16/02			
			71230	11	23,38/02;6/03	72211	6	43/02;5,8/03			
			71241	10	18/02;6,12,16,20/03	72231	8	31/02;21/03			
			71243	5	15/03*	72234	2	18,19/03			
			71247	18	20,21/02;5,6,8,14,17,21, 22/03	72236	1	9,12/03			
			71248	2	N51/02*/N1/03	73000	9	26,40,52/02;10,20,21/03			
			71249	2	35/02	73004	4	26/02;10/03			
			71251	11	20,35,40/02;1,15,21/03	73006	2	26/02			
			71253	10	21,35,40,42/02;5,6,7,13,	73008	8	16/02;11,13/03			
					14,16,						

## SECTION I

NM 22/03

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 15/02 THROUGH NM 22/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
74253	6	15,17,19,23,25,27,32, 47/02;8,9,16,20,21/03	75131	7	18,20,28/02;17/03	82374	9	22/02	93160	4	15*,27,34/02;1,14/03
74261	9	15,25,41,49/02;4,10/03	75132	11	31/02;17,19/03	82377	2	22/02	93180	7	27,34/02
74265	2	15,17,18,19,25,31,38,41, 43,47,49/02;7,9,16,21/03	75134	3	23,27,33,51/02;5,19/03	82580	2	19/02	93200	4	26,27/02
74270	3	18,19,26,31,38/02;7/03	75142	5	15,21,28,36,42,50/02	82646	2	19,33/02	93220	6	17,27,34/02
74271	9	19,28,38,46/02;19/03	75143	4	15,20,28,32,33,36,38,42, 50/02	82649	5	18,20,33/02	93240	11	17,34/02;16/03
74272	7	26,32/02;4,19/03	75144	3	20,31,33,36,42,51/02;4, 10,18/03	82683	4	18,33/02;17/03	93241	9	8,16/03
74273	5	18,19,31,38,41,43/02;7, 19/03	75150	5	16,50/02;16,19/03	82684	3	18,33,38/02;7/03	93243	6	42/02
74281	7	3/03	75160	6	22,23,24/02;17,18,19/03	82689	3	18,38/02;17/03	93244	7	16/03
74283	2	46,49/02	75170	12	38,39/02;8/03	82690	10	18,19,20/02	93245	6	16/03
74285	2	31,34,35,45/02;1,9,16/03	75171	22	17,18,22,27,31,32,33,36, 38,40,42,48,52/02;1,6,	82694	6	38/02;17/03	93247	4	26/02
74286	2	15,22,24/02	75172	5	39/02	82697	6	38,46/02	93260	8	27,31/02;7,18/03
74287	2	27,34,38,52/02;9/03	75173	9	17,20,25,31,32,33,36/02; 1,6,20/03	83010	6	6/03	93261	5	31/02;7/03
74289	5	18,26/02;9/03	75175	9	16,18,31,33,38,40,45, 50/02;6,18/03	83021	1	25,27,43/02	93280	4	18/03
74290	11	25,34,39,45,46,48,49, 51/02;1,7,9,10,16/03	75176	9	17,27,42,50/02	83023	4	25,27,43/02	93360	5	38/02
74292	8	27,34,38/02;9/03	75177	7	18,27,38,48,50,52/02; 6/03	83025	1	12/03	93385	6	18/02
74293	7	25,34,45,48/02;9,16/03	75180	2	8/03	83026	32	18,41/02;6/03	93420	4	18/02
74294	3	25,34,45/02	75185	2	22,47/02;8/03	83032	1	18/02	93440	4	18/02
74295	3	18,22/02;4,9/03	75190	2	23,47/02	83251	2	2,12/03	93520	13	45/02;15/03
74296	4	27,34,38,49/02;9/03	75191	6	22,25,37,38,43,47/02;8, 19/03	83252	8	18/02;2,12/03	93610	3	44,45/02;6/03
74320	3	35/02;8,18/03	75193	6	22,49/02;1,5,7,10,16, 19/03	83253	2	18/02;12/03	93650	2	19,44/02;6/03
74330	3	15/02	75198	2	22,47/02;8/03	83382	9	20,25,27/02	93652	2	3,6/03
74340	3	15,27/02;16/03	75208	2	26,50/02	83383	2	20,25,27/02	93680	3	45,47/02
74350	4	25/02;16/03	75213	2	36,52/02;	83392	5	31/02	93690	2	44/02;6/03
74376	5	43/02;9,16/03	75215	2	36,39,40,52/02;7/03	83393	2	N31/02	93698	3	45/02
74380	4	22,32/02;8,9/03	75220	12	36,39,49/02;4,20/03	83397	6	18/02;1/03	93710	3	26/02;6,15/03
74391	3	15/02	75222	8	18,22,35,40/02	83425	6	20,35/02	93720	10	39,45,50/02;8,15,17, 20/03
74392	7	16,22,25,39/02	75240	2	36,52/02;4,16/03	83570	2	24/02	93721	5	20,22,26,32,39,42,45, 50/02;4,11,17,20/03
74393	9	16,18,19,25,28,31,38,41, 50/02;3/03	75241	6	34,36/02	83572	1	24/02	93725	6	20,45/02
74394	2	18,19,28,31,41,49,50/02; 3/03	75251	5	23,33,48/02;3,19/03	83574	2	7/03	93726	4	26,48/02;8,12,17/03
74410	3	16,20,25,38/02;7/03	75252	6	23,21,23,24,33,36,48/02;	83580	2	24/02;8/03	93730	3	21,39,40,42,45,47,50/02;
74415	1	39/02	75261	6	3,6/03	91005	6	45/02;19/03	94,17/03		
74420	3	45/02;19/03	75262	6	38/02;16/03	91008	1	29,44,48/02;8,10,12/03	93733	13	17,21,22,26,32,39,45/02;
74430	2	49/02	75263	9	17,32/02;5/03	91010	6	29,48/02;10,12/03	93734	11	4,19,20/03
74440	3	32,39/02;2/03	75264	17	16,17,19,33,34,37,41,42, 44,45/02;2/03	91020	5	19,21,22,02/19/03	93736	22	16,22,26,32,41/02;4,
74450	3	21,22,26,49/02;2/03	75265	2	17,20,21,24/02;6,20/03	91025	8	21,22/02	93736	22	20/03
74455	3	19,21,23,48/02;1,4/03	75266	7	18,21/03	91030	3	21/02	94016	2	23,33,35,52/02;3,9,10,14, 17,21/03
74460	4	21,22,26,37,40,46,49/02; 6,20/03	75267	17	16,17,33,35,37/02;5,10, 17,18/03	91096	1	21/02	94028	7	23,25,40,42,52/02;1,6,7, 8,9,11,14,17,21/03
74465	2	9/03	75268	2	18,23,24,29,35,40/02	91286	10	20/02	94033	5	19,21/03
74470	2	8/03	75269	1	18,23,24,29,35,40/02	91288	19	19,20/02	94040	13	30,37,47,51/02;6,8,10,17, 18/03
74475	2	44/02	75270	7	18/02	91294	8	19/03	94042	9	47,51/02;7,18/03
74480	2	44/02	75271	9	24,49/02	91300	3	21,22/02	94060	10	27,29,30,33,37,46,47/02;
74485	3	16,43/02	75272	8	24,49/02;18/03	91313	3	21/02	94061	5	19,33,35,47/02
74492	7	16/02	75273	8	15,21/02;4,5/03	91340	3	19,21/02	94063	4	29,33,41/02;8,18/03
74493	3	16,38,43,45/02	75274	5	49/02	92006	5	45,46/02;5/03	94067	10	33/02;10,11/03
74494	2	41/02;8,9,16/03	75275	6	9/03	92010	3	19/02	94080	7	10,19,22/03
74510	2	16,17,33,35,37/02;5,10, 17,18/03	75276	7	40/02	92020	2	19/02	94082	8	25,27,30,44/02;8,19, 22/03
74515	4	20,28,33,35,39/02;4,7, 10/03	75277	9	23,35/02	92025	3	21/02	94083	12	17,25,44/02
74517	3	18,20,21,39,41/02;4/03	75278	9	23,35/02	92030	5	45/02	94084	1	23,25/02
74521	3	28,41/02	75279	8	1,18/03	92060	3	21/02	94120	6	19,21,33,38,48,52/02;9, 10,17,18,21/03
74527	2	28/02	75280	3	1/03	92061	3	21/02	94122	7	19,30,40/02
74530	2	28,44/02	75281	5	23/02	92115	1	15/02	94123	9	21,33,38,42,44,52/02;9, 10,15,17,18/03
74535	2	31,42,44,48/02	75282	7	46/02	92200	3	19/02	94083	12	17,25,44/02
74545	3	28,40/02;18/03	75283	8	19,46/02	92214	4	19/02	94084	1	23,25/02
74550	4	5/03	75284	1	46/02	92216	3	23/02*	94120	6	19,21,33,38,48,52/02;9, 10,17,18,21/03
74555	3	34,43,44,48,51/02;5/03	75285	6	35/02	92290	2	19/03	94122	7	19,30,40/02
74560	10	23,28,32,40,43,46,48, 50/02;4,5,18/03	75286	7	22/02	92296	3	19/03	94123	9	21,33,38,42,44,52/02;9, 10,15,17,18/03
74561	2	5/03	75287	10	40/02	92450	3	21/02	94084	1	23,25/02
74581	9	20,26,32,34,36,40,41,43, 45/02	75288	1	18/03	92470	3	19,21/02	94124	13	38,42,44/02;10,15,17/03
74582	9	18,26,28,40/02;17,20/03	75289	7	29/02	93006	2	21,39,45/02;4,8,10/03	94127	2	21,33,38/02;6,9,13,16, 18/03
74583	15	26,32,34,40,43,44,48/02	75290	1	18/02	93010	6	15,17,22,27,38,40,41/02;	94160	7	26,27,33,38,44,46,47,50, 51,52/02;9,10,12,16,17, 18,19/03
74584	5	18,22,25,32,34,41,43, 45/02	81054	13	14/03*	93018	8	27/02;1,14,18/03	94164	2	26,27,46,50,51/02;12,16,
74590	2	28,51/02	81067	5	51/02;10,12,16/03	93020	4	18/02	94165	4	20,26,50/02;18/03
74591	7	40/02;8/03	81092	3	38*,50/02	93025	5	45/02	94180	9	26,32,42,44,47,50,51/02
74595	2	28/02	81171	6	23/02	93030	6	18,45/02	94184	2	N51/02
75000	6	47/02;6/03	81715	4	23/02	93032	3	45/02	94187	3	32/02;14/03
75001	3	23,47/02;5,6/03	82005	5	17/03	93043	1	45/02	94188	2	44,46,47,51/02;8/03
75010	7	16,18,41,42,50/02	82010	6	17/03	93047	2	45,49/02	94201	1	51/02
75025	9	22,23,36,39/02;2,4,8/03	82015	13	22/02	93048	1	35,49/02;5,14/03	94203	10	22,26,41,42,44,46,47, 52/02;10,11/03
75035	18	21,24,36,39/02;2,6/03	82020	7	22/02	93049	1	45/02;4/03	94206	3	22,26,41,42,44,47,52/02;
75051	6	16/02;5/03	82030	8	18/02	93061	4	45/02	94207	5	22,26,41,42,44,47,52/02;
75052	2	16/02	82200	2	17/03	93101	2	N24,N34,N38/02;N2/03	94208	6	11,19/03
75110	2	50/02	82210	2	42,48/02	93110	2	22,24,38,40,41/02;1,2/03	94208	6	N44/02
75120	2	16,42/02	82242	1	35,48,50/02	93113	2	19/02			
75130	16	16,18,21,27,31,34,41,50, 51/02;5,7,8,16,19/03	82244	5	35,42,48/02;20/03	93115	2	40,41/02			
			82253	7	35,48,50/02;20/03	93117	2	19,40,41/02			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 22/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
94216	6	27,45/02;10,17/03	95160	13	15,27,41,42,47,52/02;1,6,8,9,11,17,19,21/03	96947	15	6,12,13/03	97223	3	42,44,48/02;16,17,22/03
94217	4	30/02;6/03	95161	16	27,31,40,45,48,50/02;1,5,6,8,9,10,17,19/03	96948	8	21,22/03	97224	6	18,25,27,46,47,49/02
94218	3	30,36/02;6,18/03	95162	2	20,40,44,47/02;10,14,19/03	96949	21	45/02;22/03	97225	31	21,24,37,39,42,44,45/02;6,8,9,10,17,18,19/03
94219	1	47/02	95163	2	27/02;1,6,9,10,13,14,17,21/03	96950	3	7/03	97226	7	17/02;18/03
94220	4	22,26,41,42,47,49/02;8,10,11,17,18/03	95164	4	43,48/02;1,6,9/03	96951	7	16/02	97227	11	21,24,42,43/02;9,18/03
94260	5	49/02;1,6,11/03	95167	10	44/02;1,6,9,11,14,17,21/03	96952	10	23/02	97228	15	21,28,30,39,40,42,43/02;5,6,9,15,17,18,20,21,22/03
94280	5	51/02;15/03	95169	2	44,50,52/02;11,16/03	96953	5	43,47/02	97229	12	18,24,27,31,36,39,47/02;6,8,9,18/03
94281	6	6/03	95171	1	1,6,9,21/03	96954	7	14,20/03	97230	18	29,36,52/02;6,9/03
94282	9	46/02;8/03	95172	1	1,9,21/03	96955	2	17,23/02;14,20/03	97231	11	21,41/02;6/03
94283	7	46/02;2,8,12/03	95173	1	15,16,17,50,52/02;1/03	96956	3	52/02	97232	8	15,20,25/02;22/03
94290	2	1,7/03	95174	1	17,50,52/02;12/03	96957	12	27,44/02;6,10,22/03	97233	11	31,33,43,44,49/02;1,5,6,9,15,16/03
94322	14	8/03	95176	2	16,20,31/02;8,11/03	96958	2	6,14/03	97234	17	29,43,47,49/02;1,6,8,9,16/03
94360	6	18,32,43/02;6,13/03	95177	1	18,41,50,52/02;9/03	96959	5	16,22/03	97236	20	31,47/02;9,16/03
94361	13	18,32/02;13,15/03	95180	11	15,17,18,27,40,42,44,49/02;1,6,9,10,21/03	96960	5	24,46/02;16/03	97239	10	31,33/02;1,5,9,16/03
94363	4	32,43/02;16,18/03	95185	2	20,31,40,44,49/02;10/03	96961	3	24/02	97241	6	10/03
94380	4	N5,N6,N18/03	95250	4	44/02;1,6,16,20,22/03	96962	1	28/02;21/03	97243	8	21,28,29,31,33,48/02;1,5,6,6,21/03
94384	3	5/03	95252	2	44/02;17,13/03	96963	4	20/02;7/03	97244	5	9/03
94420	3	39/02;4,8,11,13,14/03	95258	3	6,16,18/03	96964	3	20/02	97245	11	17,28,36/02;1,5,9/03
94421	10	15,45/02;4/03	95261	7	48/02;1,5,9,16/03	96965	6	15,22,28,31,37,40,42,43/02;9,14,16,17/03	97246	7	43,52/02;5/03
94423	12	19,45/02;11/03	95262	13	41,46/02;1,6,9/03	96966	8	48/02	97251	4	6,10,17/03
94427	2	N32/02	95267	5	17/02;13,20/03	96967	17	15,22,33,37,39,43,45/02;7,9,14,16/03	97261	15	17,18,41/02;1,5,7,18,21/03
94440	2	46/02;18/03	95268	16	39,48/02;6,9,13/03	96968	5	19,21,40,46/02;8,13,20/03	97262	10	21,29,34/02;1,5,6,7,15,21/03
95016	8	40/02	95270	4	48/02;9,10,13,20,21,22/03	96969	11	21,31,43,45/02;9,13,20/03	97263	10	5,7,9,15,18,21/03
95040	8	40/02;11/03	95271	4	44,48/02;9,10,12,13,20/03	96970	14	44*,46/02;7,8,9,13,20/03	97266	5	17,37,41/02;1,5,6,7,14,15,18/03
95060	13	15,16,40,43,44,47,48,52/02;1,6,11,14,17,19,21/03	95273	2	48/02	97144	14	44*,46/02;7,8,9,13,20/03	97267	16	17,18,25,29,40,41/02;1,5,6,8,10,13,18/03
95065	5	48/02;10/03	95274	3	48/02	97145	1	15,22,43/02;8,9/03	97268	10	6/03
95066	11	15,16,18,19,20,41,43,44,47,48,49,50/02;1,5,6,17,19,21/03	95276	3	21/02*	97146	10	44/02*/15/03	97269	11	20,45/02;8,13,18/03
95067	13	18,41,44,46/02;1,5,10,17/03	95277	4	44,48/02;9,10,12,13,20/03	97147	9	21*,23,45/02;9/03	97270	6	36,44/02;1,5/03
95068	1	41,42,45,47/02;12,14,17/03	95278	9	17,48/02;8,20/03	97148	20	25,34,35,44,45/02;1,16/03	97271	12	17,18,25,29,37,39/02;6,10,12/03
95080	13	16,18,25,27,30,33,40,44,45,50,52/02;1,6,7,9,10,14,17,19,21/03	95280	15	20,31,40,44,49/02;10/03	97149	13	34,39,43,44/02;20/03	97272	11	19,52/02;6,10,12,14/03
95082	9	19,21,25,27,30,33,44,46/02;1,4,7,11,17/03	95281	15	7,10,14/03	97150	13	34,39,43,44/02;20/03	97273	10	19,27,34,42,45,49/02;6,8,9,13,14,15,18/03
95083	8	21,25,33/02;1,4,19/03	95282	7	46,52/02;4,6,9,19,20,22/03	97151	16	31,35,44,45/02;12,13,14,16/03	97274	19	19,27,31,34,39,45/02;6,9,15,17,18/03
95084	7	15,16,18,50,52/02;8,12,17/03	95285	3	18,20/03	97152	8	37/02;20/03	97276	1	27,29,40/02;9/03
95085	4	15,45,52/02;1,6,11,12/03	95286	15	35,38/02;20,21/03	97153	7	31/02;16,20/03	97277	11	17,27/02;1,5,6,8,9,14/03
95086	5	15,45,52/02;1,6,8,11,12/03	95341	8	18,19,42,47/02;1,10/03	97154	2	36/02	97278	11	39/02;1,20/03
95087	3	19,21,25,33,40,48/02;1,8/03	95342	16	30/02;9,13,16,20/03	97155	14	20,31,35,36,37,39,40,48/02;12,13,14,16/03	97279	9	27/02;9/03
95100	12	15,16,18,38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10,17/03	96004	14	16,17,44,45/02	97156	6	21,37/02;1,4,14/03	97280	4	52/02
95101	8	15,39,44,50/02;1,5,6,9,14,17/03	96032	3	38/02	97157	1	35,37/02	97281	2	41/02
95102	8	38,42,45,46,47,48,48,50,52/02;1,4,5,8,13,14,17/03	96039	7	16,17,30/02	97158	6	33,39/02;7,14,16/03	97283	3	45/02;9/03
95103	8	42,43,45,47,52/02;4,6,7,10,12,19/03	96041	11	16,17,30/02	97159	6	33,39/02;7,14,16/03	97285	6	19,23,27,31,34,42,42/02;7,13,17/03
95104	7	17,20,21,42,43,52/02;1,4,14,21/03	96042	11	16/02;10,21/03	97160	14	23/02;14/03	97286	6	21,23,25,27,31,34,35,36,41,42/02;6,8,10,13,17/03
95105	8	43,44,45,47,48,49,50/02;1,4,5,6,7,8,9,10,11,12,13,14/03	96043	8	16/02	97161	1	7,14,16/03	97287	5	34/02;20/03
95107	3	19,21,25,33,40,48/02;1,8/03	96044	10	29,30/02	97162	1	7,16/03	97300	6	1,13/03
95108	8	45,47,50,52/02;1,6,7,8,17,19/03	96045	6	30/02;21/03	97163	2	23,33/02;21/03	97303	3	18,25,47,48/02
95109	8	45,46,48,49,50,52/02;8,16,17,19/03	96046	5	30/02	97164	1	7,14,16/03	97320	6	33/02;14/03
95110	15	15,18,22,38,40,41,44,48,49,52/02;1,7,8,9,10,17,21/03	96047	3	41/02;10/03	97165	1	7,16/03	97340	8	27,33,38,52/02;16,17,18,22/03
95111	8	45,47,50,52/02;1,6,7,8,17,19/03	96048	3	41/02	97166	1	33/02;21/03	97341	9	27,34/02;16,21/03
95112	7	45,47,50,52/02;1,4,5,6,7,8,9,10,11,12,13,14/03	96049	5	41/02	97167	2	23,33/02;21/03	97342	14	27,38/02;17,18,22/03
95113	8	45,46,48,49,50,52/02;8,16,17,19/03	96050	6	41/02;10/03	97168	6	22,31,34,39,43,45,46,48/02;4,8,13,18,20,22/03	97343	12	27,38/02;17/03
95114	9	45,46,48,49,50,52/02;8,16,8,9,10,11,13,16,21/03	96052	7	10/03	97169	1	20,22/03	97360	6	20,23,27,38/02;5,7,13,18/03
95115	14	15,18,36,38,40,41,44,46,47,48,49,50,52/02;1,8,9,16,21/03	96053	3	29/02;17/03	97170	2	23,44,45/02;9,14,18,22/03	97370	7	21,39,47,52/02;1,2,8,16/03
95116	11	15,18,40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,17,19/03	96054	5	10/03	97171	2	43/02;1,7/03	97371	9	27,34,39,45/02;16,21/03
95117	13	39,41,44,45,46,47,48,49,50/02;1,5,9,19/03	96055	3	10/03	97172	3	21,41/02;6/03	97372	12	27,38/02;17/03
95118	9	15,18,22,34,36,37,38,41,43,44,45,46,47,48,49,50/02;8,9,19/03	96056	5	10/03	97173	4	21,25,31/02;6,9,13,20/03	97373	6	20,23,27,38/02;5,7,13,18/03
95119	9	15,18,22,34,36,37,38,41,43,44,45,46,47,48,49,50/02;8,9,19/03	96057	2	40/02	97174	3	21,24,31,37,39,42,43,44,45/02;8,9,10,11,12,13,14/03	97374	16	31/02;5,7,13/03
95120	14	15,18,36,38,39,40,41,44,46,47,48,49,50,52/02;8,9,19/03	96058	4	4/03	97175	2	44/02;6,8,9,17,18/03	97374	4	47/02;19/03
95121	17	15,18,34,36,37,38,40,44,47,48,49,50,52/02;8,9,19/03	96059	3	4/03	97176	2	44/02;6,8,9,17,18/03	97375	10	31,52/02;5,6,7,9/03
95122	13	39,41,44,45,46,47,48,49,50/02;1,5,9,19/03	96060	2	27/02	97177	2	44/02;6,8,9,17,18/03	97376	2	4,5,7/03
95123	9	15,18,22,34,36,37,38,41,43,44,45,46,47,48,49,50/02;8,9,19/03	96061	1	10/03	97178	3	21,41/02;6/03	97377	1	39/02
95124	9	15*,18,19,50,52/02;8,10,11,13,16,21/03	96062	1	26/02	97179	2	25,28,44/02;9,14,18,22/03	97378	7	27/02;7,13/03
95125	11	15,18,40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,17,19/03	96063	2	29/02;17/03	97180	2	18/03	97379	2	41,45/02;4/03
95126	11	15,18,40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,17,19/03	96064	2	45/02	97181	15	25,28,47/02;1,7,12,14,18,22/03	97383	16	31/02;5,7,13/03
95127	13	39,41,44,45,46,47,48,49,50/02;1,5,9,19/03	96065	2	27/02	97182	13	18,21,23,31,34,39,46,48/02;1,4,5,6,7,8,12,14,17,18,19,			

**SECTION I****NM 22/03****CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 15/02 THROUGH NM 22/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.			
97420	17	21,34,39,42,47,52/02;1,8, 10/03			
97421	13	20,35,36/02;1,10,13, 20/03			
97423	2	20,35,36/02;1,13,20/03			
97425	6	34,39,47,52/02;1,6,8, 10/03			
97440	8	20,23,27,52/02;1,16, 19/03			
97441	5	20,46/02			
97443	6	15,19/03			
97460	7	40/02;5,19,21/03			
97461	9	21/02;5,8,19,21,22/03			
97465	9	21/02;1,6,8,19,20,22/03			
97466	2	25,46/02;1/03			
97469	10	26/02;1,6,8,19,20,22/03			
97471	5	N31/02;N22/03			
97472	8	34/02			
97474	7	21/02;22/03			
97480	7	21,35,52/02;3,9,10,17,18, 21/03			
97481	6	47,49/02;9,18,20/03			
97483	7	48,52/02;20/03			
97521	6	19,42/02;16,18,20/03			
97564	3	16/03			
800669	8	N20/02			
800744	1	N22,N49/02;N5,N12, N13,N16/03			
801217	1	N21/02;N6,N8,N19,N20, N22/03			
801885	3	N28/02			
802202	8	N23,N31,N35/02;N1, N7/03			
802260	5	N20/02			
803404	2	N26/02			
804037	1	N28/02			
804059	2	N20/02			
804567	4	N17/02			
805118	3	N12/03			
805647	2	N37,N51/02			
807370	5	N17/03			
807861	2	N27/02;N22/03			
808365	2	N14/03			
808528	1	N25/02			
809055	7	N16/03			
809310	9	N18,N39/02			
809679	2	N25,N50/02;N12/03			

## SECTION II

NM 22/03

## NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11XHA11485 (7642014010252)	Tolomato River to Palm Shores  (Not shown on index)	40,000	<u>33</u>	<u>4/03</u>	NOS	1-94	22/03	
12AHA12225 (7642014010308)	Chesapeake Bay-Wolf Trap to Smith Point (LORAN-C)	80,000	<u>54</u>	<u>4/03</u>	NOS	1-94	22/03	
13XHA13249 (7642014010458)	Provincetown Harbor	20,000	<u>12</u>	<u>4/03</u>	NOS	1-95	22/03	
18ACO18003 (7642014011485)	Cape Blanco to Cape Flattery (LORAN-C)	736,560	<u>19</u>	<u>3/03</u>	NOS	1-98	22/03	
18XHA18588 (7642014011633)	Coquille River Entrance	10,000	<u>37</u>	<u>4/03</u>	NOS	1-98	22/03	
18ACO18724 (7642015018354)	<u>Port Hueneme and Approaches</u> 34 00 24N 119 19 17W 34 12 24N 119 09 24W Inset: Port Hueneme 34 08 30N 119 13 00W 34 09 20N 119 12 00W	20,000  <u>12,500</u>	1	<u>3/03</u>	<u>NOS</u>	1-86,89, 99	22/03	
REGION 2								
24AHA24508 (7642014011101)	Entrance to Bahia de Cartagena and Mamonal	11,500	<u>3</u>	<u>3/03</u>	A	2-63	22/03	
25AHA25685 (7642014012034)	Punta Petrona to Isla Caja de Muertos	20,000	<u>9</u>	<u>4/03</u>	NOS	2-63	22/03	
26AHA26122 (7642014012090)	Plans on the Northwest Coast of Jamaica  A. Discovery Bay and Rio Bueno B. Montego Bay	10,000  12,500	<u>30</u>	<u>3/03</u>	A	2-63	22/03	
REGION 5								
52BHA52042 (7642014012996)	Baie de Tanger  Plan: Harbor of Tanger	15,550  5,200	<u>6</u>	<u>3/03</u>	A	5-42	22/03	
56AHA56104 (7642014009062)	Approaches to Mina Dumyat (Damietta Port) and Bur Sa'id  Plan: Mina Dumyat	100,000  35,000	<u>3</u>	<u>2/03</u>	A	5-43	22/03	

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

## NAVIGATION PUBLICATIONS

**SAILING DIRECTIONS CORRECTIONS****PUB 140      2 Ed 2001      LAST NM 21/03**

Page 97—Line 43/R to Page 98—Line 30/L; read

**2. Kikladhes Nisoi**

**A. Nisos Siros to Ormos Foinikos**—The area enclosed by the meridians 24°52'39"E and 24°52'54"E, the parallel 37°23'27"N, and the shoreline to the S.

**B. Patraikos Kolpos to Akra Papas**—The area, up to a distance of 1.5 miles from the coast, that extends from the point 38°06'06"N, 21°20'42"E to the point 38°10'54"N, 21°28'30"E.

**3. Kriti (Crete)**

**A. Ormos Soudhas**—The entire area on the line that joins the following points:

- a. 35°27'53"N, 24°09'34"E.
- b. 35°30'07"N, 24°11'04"E.
- c. 35°30'12"N, 24°10'11"E.

Inside the above prohibited area is a channel for navigation, 365m wide, the axis of which passes through the following points:

- a. 35°28'45"N, 24°10'41"E.
- b. 35°28'52"N, 24°09'24"E.
- c. 35°29'46"N, 24°04'46"E.

Permission from the naval authorities, requested through the Khania Harbormaster's Office, is required for passage through the above channel during daytime and at night for all foreign flag vessels.

The area of the port of Soudhas, which is defined by the following points, is open to navigation and anchorage:

- a. 35°29'25"N, 24°04'38"E.
- b. 35°29'40"N, 24°04'46"E.
- c. 35°29'51"N, 24°04'51"E.
- d. 35°30'04"N, 24°03'48"E.

(Gr Annual Notice No. 5 of 2003)      22/03

Page 98—Lines 10 to 21/R; read:

**g. Ormos Ayios Marina**—Approaching and landing at the naval installations on the N shore of the bay are prohibited.

Anchorage and fishing are prohibited up to a distance of 450m from the coast of the same area.

**h. Akra Limnonari**—The area up to a distance of 100m from the coast extending from the point 38°48'40"N, 24°40'30"E to the point 38°48'35"N, 24°40'40"E.

(Gr Annual Notice No. 5 of 2003)      22/03

Page 116—Line 27/L; insert after:

Vessels over a certain age carrying persistent oils (as stated in Regulation 15a of Israeli Regulations of Shipping and Ports) will not be allowed to enter Israeli territorial waters, as follows:

1. Mediterranean Sea—Vessels 25 years of age and older.

2. Gulf of Eilat—Vessels 20 years of age and older.  
(PUBS 015/03)      22/03

Page 130—Line 14/L; insert after:

It has been reported (2003) that foreign-flagged vessels must provide pre-arrival information, via telex, to COMP-AMARE (the harbor authority of the port) 72 hours prior to arrival in order to be allowed to enter the port. If the sailing time to the arrival port is less than 72 hours, the message should be sent prior to leaving the previous port. Vessels failing to comply will have to wait 72 hours before being allowed to enter Italian ports.

**Special Tanker Ordinances**

Single-hull tankers over 5,000 dwt and over 15 years of age carrying heavy fuels, waste oils, heavy crude oil, bitumen, and tar are prohibited from entering Italian ports.

(PUBS 015/03)      22/03

Page 157—Line 8/L; insert after:

**Regulations**      158  
(NIMA)      22/03

Page 158—Line 21/L; read:

**Regulations**

Single-hull tankers over 15 years old carrying heavy fuel, bitumen, or other polluting substances may not enter the Exclusive Economic Zone of Morocco without prior permission of the Directorate of the Moroccan Merchant Marine.

Permission must be requested 24 hours in advance; the following information should be included in the request:

1. Vessel name.
2. Call sign and IMO number.
3. Name and address of owner.
4. Name and address of charterer.
5. Classification society.
6. Position.
7. Last port of loading and destination.
8. Type and quantity of cargo.
9. Name of technical management company.

(Fr NM 5/03)      22/03

**PUB 148      7 Ed 2001      LAST NM 24/02**

Page 81—Line 9/L; read:

Port Captain at Cristobal or Balboa 96 hours advance notice by

(PUBS 018-03)      22/03

Page 81—Line 47/L; insert after:

As of July 1, 2003 all vessels greater than 300 gross tons or over 20m long must be equipped with an Automatic Iden-

**PUB 148 (Continued)**

tification System (AIS) transponder that meets the standards set by the International Maritime Organization.

(PUBS 018-03) 22/03

**PUB 153 9 Ed 2000 LAST NM 15/03**

Page 91—Line 37/R; read:

requires that vessels forward their ETA at least 96 hours in  
(PUBS 018-03) 22/03

Page 92—Line 5/L; read:

by radio to the Traffic Management not less than 96 hours in  
(PUBS 018-03) 22/03

Page 92—Line 19/R; insert after:

As of July 1, 2003 all vessels greater than 300 gross tons or over 20m long must be equipped with an Automatic Identification System (AIS) transponder that meets the standards set by the International Maritime Organization.

(PUBS 018-03) 22/03

**PUB 160 2 Ed 2002 LAST NM 21/03**

Page 114—Line 6/R; insert after:

Vessels over a certain age carrying persistent oils (as stated in Regulation 15a of Israeli Regulations of Shipping and Ports) will not be allowed to enter Israeli territorial waters, as follows:

1. Mediterranean Sea—Vessels 25 years of age and older.
2. Gulf of Eilat—Vessels 20 years of age and older.

(PUBS 015/03) 22/03

Page 209—Line 8/L; insert after:

**Regulations 210**  
(NIMA) 22/03

Page 210—Line 10/R; insert after:

**Regulations**

All vessels calling at Al Ahmadi (Hodeidah), Salif, Ras Isa Marine Terminal, and Al Mukha are required to submit the following documentation, via the agent, at least 24 hours prior to arrival.

1. Crew list.
2. Owner and charterer details.
3. Cargo manifest and cargo plan.
4. Dangerous cargo manifest.
5. Copy of last port clearance.

(PUBS 016-03) 22/03

**PUB 172 9 Ed 2001 LAST NM 20/03**

Page 109—Lines 48 to 49/R; read:

but the maximum draft allowed is 13m. Vessels up to 55,000 dwt, with a maximum length of 220m, can be accommodated.

(PUBS 017-03) 22/03

Page 128—Line 7/R; insert after:

Vessels that are 20 years of age or older will not be allowed to load at the terminal.  
(PUBS 017-03) 22/03

Page 131—Lines 30 to 47/R; read:

**Pilotage.**—Pilotage is compulsory for vessels over 150 nrt and is available 24 hours. Pilots may be contacted by VHF and board about 3 miles E of head of the E breakwater.

Vessels should send an ETA message 96 hours, 48 hours, 36 hours, and 24 hours in advance through the agent or by telex/fax; the port should be contacted directly on VHF channel 16 when 3 to 4 hours from arrival. The first message should include the vessel's length, draft, nrt, grt, cargo distribution details, last port of call, next port of call, and vessel's flag. Pilotage can be provided with 1 hour notice.

All inbound vessels should contact the port when within VHF range. All vessels in the port should maintain a continuous listening watch on VHF channel 12.

**Regulations.**—Ship-to-ship operations may only be conducted in Anchorage C. Berthing is allowed during daylight hours only. Unberthing may be done at any time. Pilotage and the use of a tug are required when the maneuvering vessel in a ship-to-ship berthing/unberthing operation is 170m long or greater and is without operational bow thrusters.

Operations are suspended during the monsoon season and when any of the following conditions exist:

1. Wind speed of 25 knots or more.
2. Swells of 1.5m or more.
3. Visibility of 500m or less.

**Anchorage.**—Designated anchorage areas, best be seen on the chart, have been established SE of Mina RAYSUT. They are used, as follows:

1. Area A—Vessels waiting for a berth.
2. Area B—Vessels requiring offshore services.
3. Area C—Vessels requiring bunkering or ship-to-ship services.

The bottom in these anchorages is sandy.

**Caution.**—It is reported (1997) that wave recorder buoys are often moored within 1.5 miles SE of the E breakwater head.

A prohibited area, into which entry is prohibited and which is best seen on the chart, lies NE of Mina RAYSUT, on the N side of Bandar RAYSUT.

(PUBS 017-03; US NM 18/02, Section II) 22/03

Page 251—Line 7/R to Page 252—Line 17/L; read:

East of the E extremity of Jazirat Warbah (30°00'N., 48°09'E.), Khawr Abd Allah divides into two channels. The N channel, which has been dredged to accommodate ocean-going vessels, consists of two parts; Khawr Shatanah is the E part and Khawr Saka is the W part. Khawr Bubiyan, the S channel, is not recommended.

The channel about 4 miles above the W end of Khawr Saka is known as Khawr Umm Qasr; above that, it is known as Khawr az Zubayr.

**Tides—Currents.**—In Khawr Abd Allah, springs rise about 4.2m and neaps about 3.7m; mean LW springs have a rise of 0.6m. At Umm Qasr, springs rise 4.6m; neaps rise

**PUB 172 (Continued)**

about 4.2m. It has been reported (2003) that tidal levels may be up to 1m less than predicted.

The tidal currents in the entrance of Khawr Abd Allah attain a velocity of 1.5 knots in the spring on a rising tide and 2.5 knots on a falling tide. It has been reported (2003) that tidal currents in the narrower sections of the waterway at the N end of Khawr Abd Allah, in Khawr Shatanah, and off Umm Qasr can reach a rate of 6 knots.

**Depths—Limitations.**—Lesser depths than charted have been reported (2003) at numerous locations in the channel. Mariners are urged to consult local authorities to obtain the latest information concerning controlling depths and maximum authorized drafts. It has been reported (2003) that the least depth in Khawr Abd Allah is 9.1m.

The channel through Khawr Shatanah and Khawr Saka has been dredged (1990) to 13.2m.

Several shoals are reported lie in the approach to the Khawr Abd Allah and Umm Qasr.

**Athan Shoal** (29°44'N., 48°35'E.) has a least depth of about 2.7m.

**Fasht Al Ayk** (29°45'N., 48°30'E.) is a detached bank of hard sand, which dries 0.9m.

**Atlassi Shoal** (29°54'N., 48°21'E.) has a least depth of 4.2m.

There are numerous other shoals of 1.8m and greater lying in Khawr Abd Allah.

**Aspect.**—The entrance of Khawr Abd Allah lies between **Ras al Qayd** (29°46'N., 48°22'E.) and Maraqat Abd Allah, the extensive, partly drying flats lying NE. Both shores of the inlet are low, alluvial land covered with reeds and grass, and fronted by shallow mud flats.

Several beacons stand on the HW line on both sides of Khawr Abd Allah.

The channel through Khawr Shatanah and Khawr Saka is reported to be marked by lighted buoys.

**Regulations.**—It is recommended that single screw vessels with a draft greater than 7m use a tug starting in the vicinity of Lighted Buoy No. 26, about 2 miles NW of the E extremity of Jazirat Warbah.

**Anchorage.**—A holding anchorage for vessels bound for Umm Qasr lies about 3 miles ESE of the E extremity of Jazirat Warbah. The charted stranded wrecks should be given a wide berth.

**Caution.**—It has been reported (2003) that most of the channel buoyage is either unlit, out of position, or missing. Night passage is not possible and should not be attempted.

It has been reported (2003) that large deep-draft vessels in navigating in Khawr Saka may encounter shallow water effects leading to a loss of control.

In addition to the charted dangers, many uncharted wrecks and obstructions have been reported (2003) in Khawr Abd Allah, Khawr Shatanah, and Khawr az Zubayr.

It has been reported (2003) that, due to the danger of mines, vessels transiting Khawr Abd Allah should remain in the navigable channel and avoid anchoring, fishing, and submarine and seabed operations.

(BA NM 17/03, Section IV; US CH 62437;

BA NP 63, Supp. 8/01; PUBS 017-03) 22/03

Page 252—Line 32/L; read:

maximum draft of 9m may enter the port. The main wharfage, Berth 1 through Berth 8, has alongside depths of 5 to 7m. The new port, Berth 10 to Berth 21, has an alongside depth of 5.5m.

(BA NM 17/03, Section IV)

22/03

Page 252—Lines 1 to 20/R; read:

**Pilotage.**—Pilotage is compulsory. The pilot currently boards from the anchorage area lying about 3 miles ESE of the E extremity of Jazirat Warbah. Vessels should arrive at the pilot boarding position at least 4.5 hours prior to HW to arrive at Umm Qasr at HW.

**Regulations.**—Vessels should send their ETA to Umm Qasr Port Control 48 hours, 24 hours, and 12 hours in advance, along with their berthing requirements. Vessels should also report, on both inbound and outbound transits, when passing Lighted Buoy No. 6 and Lighted Buoy No. 34.

Umm Qasr Port Control can be contacted on VHF channels 8, 12, and 16. The pilot can be contacted on VHF channel 12.

**Anchorage.**—Anchorage may be obtained in Khawr Umm Qasr, about 2 miles below the port.

**Caution.**—Caution is advised, as details on aids to navigation marking the channel are presently lacking. The local authorities and pilots should be contacted for the most current information.

A large wreck is reported (2003) to hinder access to Berth 9. Numerous wrecks are reported (2003) to hinder access to the berths in the new port. Unexploded ordnance is likely to exist in the wrecks and on the seabed surrounding the wrecks.

(PUBS 017-03; BA NM 17/03, Section IV)

22/03

Page 252—Line 30/R; read:

depth of 12m. Local authorities should be consulted for details of the latest controlling depths and maximum authorized drafts.

(BA NM 17/03, Section IV)

22/03

**PUB 173 7 Ed 2002****LAST NM 3/03**

Page 122—Line 49/R; insert after:

A conspicuous chimney with a height of 98m stands 1.2 miles inland in position 11°04.4'N, 79°50.2'E.

The harbor limits are defined by the following co-ordinates:

- a. 11°04.4'N, 79°51.5'E (shore)
- b. 11°05.5'N, 79°52.5'E
- c. 11°05.5'N, 79°56.0'E
- d. 11°03.3'N, 79°56.0'E
- e. 11°03.3'N, 79°52.5'E, and
- f. 11°04.4'N, 79°51.5'E (shore)

(BA NP 21)

22/03

**PUB 191 9 Ed 2000****LAST NM 18/03**

Page 41—Lines 23 to 52/R; read:

**Regulations—Traffic Control.**—An IMO-adopted Traffic Separation Scheme (TSS) lies NW of Ile d'Ouessant and

**PUB 191 (Continued)**

may best be seen on the chart.

From NE of this TSS, the main traffic flow leads in a general ENE direction for about 110 miles to the vicinity of the TSS off Casquets.

Ouessant NE Lighted Buoy (48°59'N., 5°24'W.), equipped with a racon, is moored about 34 miles NNW of Creac'h Point Light (48°28'N., 5°08'W.) at the NE side of the TSS.

Ouessant SW Lanby (48°30'N., 5°45'W.), equipped with a racon, is moored about 25 miles WNW of Creac'h Point Light at the SW side of the TSS.

The TSS consists of the following:

1. An inshore traffic zone.
2. A two-way traffic route, 2 miles wide, centered 10.5 miles NW of Creac'h Point Light (48°28'N., 5°08'W.).
3. A northeastbound traffic lane, 5 miles wide, centered 26 miles NW of Creac'h Point Light.
4. A southwestbound traffic lane, 5 miles wide, centered 37 miles NW of Creac'h Point Light.

The above routes and traffic lanes are bordered by separation zones which may best be seen on the chart.

The two-way route may be used only by the following vessels:

1. Passenger ships operating on regular schedules to or from a Channel port situated W of the meridian 1°W.
2. Vessels sailing between ports situated between Cape de la Hague (49°44'N., 1°56'W.) and Cape Finisterre (42°53'N., 9°16'W.), except for the following:
  - a. Vessels transporting oils as listed in Annex I, Appendix I, of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78).
  - b. Vessels carrying substances in bulk classed in categories A and B listed in Annex II, Appendices I and II, of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78).

The IMO states that navigation in the Inshore Traffic Zone at the SE side of this TSS is subject to French national regulations. These regulations state that traffic movements are to be in accordance with Rule 10 (72 COLREGS).

The following regulations, promulgated by the French authorities, affect the Inshore Traffic Zone (ITZ) and certain inner channels lying off NW Bretagne:

1. Navigation is prohibited in Chenal du Four, Chenal de la Helle, Passage du Fromveur, and in Raz de Sein except to the following categories of vessels:
  - a. French government vessels.
  - b. Rescue craft and those giving assistance to others.
  - c. Passenger vessels employed on local services.
  - d. Fishing vessels with lengths less than 35m.
  - e. Pleasure craft.

Exceptions are possible under certain circumstances for other types of vessels, notably vessels under 1,600 grt not carrying passengers or dangerous goods.

2. Vessels transiting the ITZ or the above channels must report to the CORSEN-OUESSANT Vessel Traffic Service (VTS) 2 hours before commencement of their passage.

Special regulations and reporting procedures apply to tankers transporting hydrocarbons and to vessels transporting dangerous substances navigating in the approaches to the French coasts of the North Sea, the English Channel, and the Atlantic Ocean between the Belgian border and the Spanish border.

Such vessels preparing to pass through or stop within French Territorial Waters are required to send a message to the appropriate CROSS station 6 hours in advance giving their intended movements. In addition, such vessels must maintain a listening watch on VHF channel 16 and use the designated Mandatory Access Routes and Channels when approaching a port or roadstead.

Navigation at less than 7 miles from the French coast is forbidden for vessels over 1,600 grt carrying dangerous cargoes in bulk, except in the Dover Strait.

For further details of these special procedures, see Pub. 140, Sailing Directions (Planning Guide) North Atlantic Ocean, Baltic Sea, North Sea, and the Mediterranean.

**Note.**—Extensive changes were made to the TSS located off Ouessant and came into effect on 1 May 2003. These changes included new traffic regulations, the relocation of traffic lanes, and the repositioning of navigational aids.

(BA NP 27)

22/03

Page 42—Lines 1 to 43/L; strike out.

(NIMA)

22/03

**PUB 200            4 Ed 2002**

**LAST NM 42/02**

Page 107—Lines 1 to 4/L; read:

The N approach to the sound  
(US CH 29128)

22/03

Page 107—Line 40/R; read:

area as seen on chart.

(US CH 29128)

22/03

**COAST PILOT CORRECTIONS**

**COAST PILOT 2**

**32 Ed 2003**

**Change No. 8  
LAST NM 21/03**

Page 159—Paragraph 109; read:

**Nantucket Shoals Lighted Whistle Buoy N** (40°30'09"N., 69°14'48"W.) is about 57 miles south-southeastward of Nantucket Island. The buoy is equipped with a fog signal and a racon.

(11/03 CG1; LL/03; NOS 13200)

22/03

Page 179—Paragraph 61, lines 1 to 2; read:

**Cross Rip Lighted Gong Buoy 21** (41°26'51"N., 70°17'30"W.), replacing Cross Rip Lightship, marks the ...

(11/03 CG1; LL/03)

22/03

Page 292—Paragraph 218, lines 13 to 18; read:

In August 2002, the controlling depths in the dredged channel were 3.0 feet to the junction of East River and Sluice Creek, thence 2.8 feet in Sluice Creek, thence 2.4 feet in the left half of the channel to the anchorage basin, with 1 to 6

**COAST PILOT 2 (Continued)**

feet in the basin except for shoaling to bare toward the north limit and in the south half of the entrance into the basin. Deeper water is available with local knowledge.

(CL 2383/02; BPs 179619-20) 22/03

Page 295—Paragraph 250, lines 2 to 7; read:

northeasterly from Branford Harbor. In January-February 2001, the controlling depth in the dredged channel was 6.5 feet from Branford Harbor to the upstream limit of the dredged channel, except for depths between 5.0 and 6.4 feet in the left half of the channel about 1,200 feet below the project head.

(08/03 CG1; CL 176/03; BPs 179746-48) 22/03

Page 378—Paragraph 234, lines 4 to 5; read:

an anchorage basin. In June 2002, depths of 4.9 to 8 feet were available in the basin. The entrance to the ...

(CL 91/03; BPs 179737-38) 22/03

Page 405—Paragraph 46, line 5 to Paragraph 49; read:

2288, Mobile, AL 36602, Attn: Map Sales, LM-SR; telephone, 251-441-5631.

Flood Control and Navigation Maps of the Mississippi River, Cairo, IL to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, 4155 Clay Street, Vicksburg, MS 39183-3435, Attn: Map Sales; telephone: 601-631-5042.

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, IL to Minneapolis, MN): Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

Charts of the Illinois Waterway, from Mississippi River at Grafton, IL to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

(CE/03) 22/03

**COAST PILOT 4      34 Ed 2002      Change No. 27  
LAST NM 21/03**

Page 256—Paragraph 116, line 6; read:

VHF-FM channels 16 and 18A.

(CL 862/03) 22/03

Page 357—Paragraph 59, line 4 to Paragraph 62; read:

Engineer District Mobile, P.O. Box 2288, Mobile, AL 36602, Attn: Map Sales, LM-SR; telephone, 251-441-5631.

Flood Control and Navigation Maps of the Mississippi River, Cairo, IL to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, 4155 Clay Street, Vicksburg, MS 39183-3435, Attn: Map Sales; telephone: 601-631-5042.

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, IL to Minneapolis, MN): Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

Charts of the Illinois Waterway, from Mississippi River at

Grafton, IL to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

(CE/03) 22/03

**COAST PILOT 7      34 Ed 2002      Change No. 15  
LAST NM 21/03**

Page 81—Paragraph 1379, line 3; read:

the rules of navigation and with safe navigation practice.

(c) Before entering into the anchorage grounds in this section you must first obtain permission from the Captain of the Port Honolulu.

(FR 4/25/03) 22/03

Page 138—Paragraphs 3395 to 3408; read:

**§165.1311 Olympic View Resource Area, Tacoma, WA.**

(a) *Regulated area.* A regulated navigation area is established on that portion of Commencement Bay bounded by a line beginning at:

47°15'40.20"N., 122°26'09.28"W; thence to  
47°15'42.21"N., 122°26'10.65"W.; thence to  
47°15'41.85"N., 122°26'11.80"W.; thence to  
47°15'45.58"N., 122°26'14.35" W.; thence to  
47°15'53.06"N., 122°26'06.61"W.; thence to  
47°15'46.74"N., 122°26'02.50"W.; thence returning along the shoreline to the point of origin. [Datum NAD 1983].

(b) *Regulations.* All vessels and persons are prohibited from anchoring, dredging, laying cable, dragging, seining, bottom fishing, conducting salvage operations, or any other activity which could potentially disturb the seabed in the designated area. Vessels may otherwise transit or navigate within this area without reservation.

(c) *Waiver.* The Captain of the Port, Puget Sound, upon advice from the United States Environmental Protection Agency (USEPA) Project Manager and the Washington State Department of Natural Resources, may, upon written request, authorize a waiver from this section if it is determined that the proposed operation supports USEPA remedial objectives, or can be performed in a manner that ensures the integrity of the sediment cap. A written request must describe the intended operation, state the need, and describe the proposed precautionary measures. Requests shall be submitted in triplicate, to facilitate review by USEPA, Coast Guard, and Washington State Agencies. USEPA managed remedial design, remedial action, habitat mitigation, or monitoring activities associated with the Olympic View Resource Area Superfund Site are excluded from the waiver requirement. USEPA is required, however, to alert the Coast Guard in advance concerning any of the above-mentioned activities that may, or will, take place in the Regulated Area.

**§165.1313 Security Zone Regulations, Tank Ship Protection, Puget Sound and adjacent waters, Washington.**

(a) Notice of enforcement or suspension of enforcement. The tank ship security zone established by this section will be enforced only upon notice by the Captain of the Port Puget Sound. Captain of the Port Puget Sound will cause notice of the enforcement of the tank ship security zone to be

**COAST PILOT 7 (Continued)**

made by all appropriate means to effect the widest publicity among the affected segments of the public including publication in the **Federal Register** as practicable, in accordance with 33 CFR 165.7(a). Such means of notification may also include but are not limited to, Broadcast Notice to Mariners or Local Notice to Mariners. The Captain of the Port Puget Sound will issue a Broadcast Notice to Mariners and Local Notice to Mariners notifying the public when enforcement of the tank ship security zone is suspended.

(b) The following definitions apply to this section:

(1) *Federal Law Enforcement Officer* means any employee or agent of the United States government who has the authority to carry firearms and make warrantless arrests and whose duties involve the enforcement of criminal laws of the United States.

(2) *Navigable waters of the United States* means those waters defined as such in 33 CFR part 2.

(3) *Navigation Rules* means the Navigation Rules, International-Inland.

(4) *Official patrol* means those persons designated by the Captain of the Port to monitor a tank ship security zone, permit entry into the zone, give legally enforceable orders to persons or vessels within the zone and take other actions authorized by the Captain of the Port. Persons authorized in paragraph (k) to enforce this section are designated as the official patrol.

(5) *Public vessel* means vessels owned, chartered, or operated by the United States, or by a State or political subdivision thereof.

(6) *Tank ship security zone* is a regulated area of water, established by this section, surrounding tank ships for a 500-yard radius that is necessary to provide for the security of these vessels.

(7) *Tank ship* means a self-propelled tank vessel that is constructed or adapted primarily to carry oil or hazardous material in bulk as cargo or cargo residue in the cargo spaces. The definition of tank ship does not include tank barges.

(8) *Washington Law Enforcement Officer* means any General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, or Specially Commissioned Washington Peace Officer as defined in Revised Code of Washington section 10.93.020.

(c) Security zone: There is established a tank ship security zone extending for a 500-yard radius around all tank ships located in the navigable waters of the United States in Puget Sound, WA, east of 123 degrees, 30 minutes West Longitude. [Datum: NAD 1983]

(d) Compliance: The tank ship security zone established by this section remains in effect around tank ships at all times, whether the tank ship is underway, anchored, or moored. Upon notice of enforcement by the Captain of the Port Puget Sound, the Coast Guard will enforce the tank ship security zone in accordance with rules set out in this section. Upon notice of suspension of enforcement by the Captain of the Port Puget Sound, all persons and vessels are authorized to enter, transit, and exit the tank ship security zone, consistent with the Navigation Rules.

(e) The Navigation Rules shall apply at all times within a tank ship security zone.

(f) When within a tank ship security zone all vessels shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the on-scene official patrol or tank ship master. No vessel or person is allowed within 100 yards of a tank ship, unless authorized by the on-scene official patrol or tank ship master.

(g) To request authorization to operate within 100 yards of a tank ship, contact the on-scene official patrol or tank ship master on VHF-FM channel 16 or 13.

(h) When conditions permit, the on-scene official patrol or tank ship master should:

(1) Permit vessels constrained by their navigational draft or restricted in their ability to maneuver to pass within 100 yards of a tank ship in order to ensure a safe passage in accordance with the Navigation Rules;

(2) Permit commercial vessels anchored in a designated anchorage area to remain at anchor when within 100 yards of a passing tank ship; and

(3) Permit vessels that must transit via a navigable channel or waterway to pass within 100 yards of a moored or anchored tank ship with minimal delay consistent with security.

(i) Exemption. Public vessels as defined in paragraph (b) of this section are exempt from complying with paragraphs (c), (d), (f), (g), (h), (j), and (k) of this section.

(j) Exception. 33 CFR Part 161 promulgates Vessel Traffic Service regulations. Measures or directions issued by Vessel Traffic Service Puget Sound pursuant to 33 CFR Part 161 shall take precedence over the regulations in this section.

(k) Enforcement. Any Coast Guard commissioned, warrant or petty officer may enforce the rules in this section. In the navigable waters of the United States to which this section applies, when immediate action is required and representatives of the Coast Guard are not present or not present in sufficient force to provide effective enforcement of this section in the vicinity of a tank ship, any Federal Law Enforcement Officer or Washington Law Enforcement Officer may enforce the rules contained in this section pursuant to 33 CFR §6.04–11. In addition, the Captain of the Port may be assisted by other federal, state or local agencies in enforcing this section.

(FR 5/30/02; FR 3/31/03; FR 4/11/03)

22/03

Page 138—Paragraph 3429, line 2; read:  
contained in 33 CFR 165.23 apply.

#### **§165.1407 Security Zones; Oahu, Maui, Hawaii, and Kauai, HI.**

(a) Location. The following areas, from the surface of the water to the ocean floor, are security zones:

(1) All waters of Honolulu Harbor and entrance channel, Keehi Lagoon, and General Anchorages A, B, C, and D as defined in 33 CFR 110.235 that are shoreward of the following coordinates: The shoreline at

21°17.68'N., 157°52.00'W.; thence due south to  
21°16.00'N., 157°52.00'W.; thence due west to  
21°16.00'N., 157°55.58'W.; thence due north to Honolulu International Airport Reef Runway at  
21°18.25'N., 157°55.58' W.

(2) The waters around the Tesoro Single Point and the

**COAST PILOT 7 (Continued)**

Chevron Conventional Buoy Moorings beginning at 21°16.43'N., 158°06.03'W.; thence northeast to 21°17.35'N., 158°03.95'W.; thence southeast to 21°16.47'N., 158°03.50'W.; thence southwest to 21°15.53'N., 158°05.56'W.; thence north to the beginning point.

(3) The Kahului Harbor and Entrance Channel, Maui, HI consisting of all waters shoreward of the COLREGS DEMARCATON line. (See 33 CFR 80.1460).

(4) All waters within the Nawiliwili Harbor, Kauai, HI shoreward of the COLREGS DEMARCATON line (See 33 CFR 80.1450).

(5) All waters of Port Allen Harbor, Kauai, HI shoreward of the COLREGS DEMARCATON line (See 33 CFR 80.1440).

(6) The waters within a 100-yard radius centered oneach cruise ship in Hilo Harbor, Hawaii, HI and Entrance Channel shoreward of the COLREGS DEMARCATON (See 33 CFR 80.1480). This is a moving security zone when the cruise ship is in transit and becomes a fixed zone when the cruise ship is anchored or moored.

(7) The waters extending out 500 yards in all directions from cruise ships anchored or position keeping within 3 miles of:

(i) Lahaina Harbor, Maui, HI, between Makila Point and Puunoa Point.

(ii) Kailua-Kona Harbor, Hawaii, HI, between Keahulolu Point and Puapuaa Point.

(8) All waters contained within the Barbers Point Harbor, Oahu, HI, enclosed by a line drawn between Harbor Entrance Channel Light 6 and the jetty point day beacon at 21°19.50'N, 158°07.30'W.

(b) Designated Representative: A designated representative of the Captain of the Port is any Coast Guard commissioned officer, warrant or petty officer that has been authorized by the Captain of the Port Honolulu to act on his behalf.

(c) Cruise ship: For the purposes of this section, the term "cruise ship" is defined as a passenger vessel over 100 gross tons, carrying more than 12 passengers for hire, making a voyage lasting more than 24 hours, any part of which is on the high seas, and for which passengers are embarked or disembarked in the United States or its territories. A "voyage" in this section means the cruise ship's entire course of travel, from the first port at which the cruise ship embarks passengers until its return to itslast port of call where the majority of passengers are disembarked.

(d) Regulations. (1) In accordance with §165.33, entry into these zones is prohibited unless authorized by the Coast Guard Captain of the Port Honolulu, or his designated representatives. Section 165.33 also contains other general requirements.

(2) The existence or status of the security zones in this section will be announced periodically by Broadcast Notice to Mariners.

(3) Persons desiring to transit the areas of the security zones may contact the Captain of the Port by calling the Command Center at telephone numbers 808-541-2477 or 800-552-6458, or on VHF channel 16 (156.8 MHz) to seek permission to transit the area. Written requests may

be submitted to the Captain of the Port, Coast Guard Marine Safety Office Honolulu, 433 Ala Moana Blvd., Honolulu, HI 96813 or faxed to 808-522-8270. If permission is granted, all persons and vessels shall comply with the instructions of the Captain of the Port or his designated representatives.

(4) Persons entering a security zone without authorization of the Captain of the Port may be subject to a civil penalty of not more than \$25,000 for each violation or a criminal penalty resulting in imprisonment of not more than ten years and a fine not more than \$10,000.

(FR 4/25/03) 22/03

**COAST PILOT 7 34 Ed 2002 Change No. 16**

Page 201—Paragraph 529, lines 2 to 6; read:  
between the jetties, then turns E into the harbor. The private buoys in the entrance channel and ...

(NOS 18725) 22/03

Page 204—Paragraph 583, line 7; read:  
**Point Arguello Light** (34°34'37"N., 120°38'50"W.), 100 feet above the ...

(12/03 CG11; LL/03) 22/03

Page 215—Paragraph 70, line 2 to Page 216—Paragraph 71, line 1; read:  
up to 0.6 mile offshore in Estero Bay. A rock covered 5 fathoms, 1.3 miles NW of Morro ...

(CL 148/02; CL 333/03; NOS 18703; LL/03) 22/03

Page 325—Paragraph 41, line 2; read:  
joining Cape Shoalwater and Leadbetter Point. The bar channel is ...

(CL 682/03; LL/95; NOS 18504) 22/03

Page 326—Paragraph 62, lines 4 to 6; read:  
daybeacon is on the N side of the entrance. In September 2002, the controlling depth was 13.1 feet in the entrance channel to the basin; thence in December 2000, the basin had ...

(BP 179943) 22/03

Page 348—Paragraph 246, line 7; read:  
Bare Island. A light is on the NW side of Skipjack Island.

A rocky shoal with a least depth of 6 fathoms is about 2 miles NNE of Skipjack Island and is marked by a lighted bell buoy.

(NOS 18432; LL/03) 22/03

Page 472—Paragraph 56, line 4 to Paragraph 59; read:  
Engineer District Mobile, P.O. Box 2288, AL 36602, Attn: Map Sales, LM-SR; telephone, 251-441-5631.

Flood Control and Navigation Maps of the Mississippi River, Cairo, IL to the Gulf of Mexico: Published by Mississippi River Commission and for sale by U.S. Army Engineer District Vicksburg, 4155 Clay Street, Vicksburg, MS 39183-3435, Attn: Map Sales; telephone: 601-631-5042.

## **SECTION II**

**NM 22/03**

### **COAST PILOT 7 (Continued)**

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, IL to Minneapolis, MN): Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

Charts of the Illinois Waterway, from Mississippi River at Grafton, IL to Lake Michigan at Chicago and Calumet Harbors: Published and for sale by U.S. Army Engineer District Rock Island, Clock Tower Bldg., P.O. Box 2004, Rock Island, IL 61204-2004; telephone, 309-794-5338.

(CE/03)

22/03

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
685	<i>Moriches Inlet Approach Lighted Whistle Buoy M</i>	40 44 08 N 72 45 12 W	Mo (A) W		6	Red and white stripes.	
		*					22/03
*12361	- Buoy 3				Green can.	Private aid.	
							22/03
*12364	- Buoy 5				Green can.	Private aid.	
							22/03
*12369	- Buoy 7				Green can.	Private aid.	
							22/03
*12374	- Buoy 9				Green can.	Private aid.	
							22/03
*12392	- Buoy 18				Red nun.	Private aid.	
							22/03
26430	- Lighted Buoy 2A <i>Marks shoal.</i>	40 56 50 N 73 24 07 W	Q R		2	Red.	Position frequently changed due to shoaling. Replaced by nun from Nov. 15 to May 1.
		*	*	*	*	*	*
							22/03
*29030	<i>Moriches Inlet Approach Lighted Whistle Buoy M</i>	40 44 08 N 72 45 12 W	Mo (A) W		6	Red and white stripes.	
							22/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1120	- Lighted Buoy 5		Fl G 4s		4	Green.	
					*		22/03
1580	- LIGHT 19	39 05 02 N 75 11 16 W	Q G		21	5 SG on pile.	
		*					22/03
<b>Delaware River (Main Channel)</b>							
2896	- Wreck Lighted Buoy WRM2	39 40 46 N 75 31 03 W	Q R		4	Red.	
		*					22/03
23760	- CHANNEL LIGHT 12		Fl R 2.5s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
					*		22/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Bivalve Channel</b>							
24045	- LIGHT 1	38 18 45 N 75 53 47 W	Fl G 6s	15	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15. * 22/03
<b>Grace Creek</b>							
25675	- Entrance Daybeacon 1	38 44 40 N 76 15 26 W				SG on pile.	22/03
<b>Edge Creek</b>							
25725	- Daybeacon 2EC	38 44 42 N 76 13 49 W				TR on pile.	22/03
<b>San Domingo Creek</b>							
25795	- Daybeacon 2SD	38 45 14 N 76 13 37 W				TR on pile.	22/03
<b>Tilghman Island</b>							
25840	- HARBOR LIGHT 2	38 42 35 N 76 19 45 W	Fl R 2.5s	15	3	TR on multi-pile structure.	* 22/03
25855	- HARBOR LIGHT 5		Fl G 4s	15	4	SG on multi-pile structure.	* 22/03
<b>Harris Creek</b>							
25870	- LIGHT 2	38 42 50 N 76 18 19 W	Fl R 2.5s	18	4	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15. * 22/03
25940	- EAST CHANNEL LIGHT 3	38 42 35 N 76 19 25 W	Fl G 4s	15	5	SG on multi-pile structure.	* 22/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
25950	- EAST CHANNEL LIGHT 6		Fl R 4s	15	3	TR on multi-pile structure.	*
22/03							
<b>CHESAPEAKE BAY - EASTERN BAY AND SOUTH RIVER (Chart 12270)</b>							
<b>Eastern Bay</b>							
<b>Poplar Island Narrows</b>							
25960	- Daybeacon 3	38 44 24 N 76 21 11 W				SG on pile.	*
22/03							
26060	Tilghman Creek Daybeacon 3	38 50 43 N 76 15 46 W				SG on pile.	*
22/03							
<b>Cox Creek</b>							
26265	- LIGHT 2CC	38 53 56 N 76 18 51 W	Fl R 2.5s	15	3	TR on pile.	Higher intensity beam down the channel. Light equipment removed from Dec. 1 to Mar. 15.
*							
26270	- Daybeacon 4	38 56 00 N 76 18 42 W				TR on pile.	Private aid.
*							
28590	- LIGHT 36		Fl R 2.5s	15	3	TR on pile.	Light equipment removed when endangered by ice.
*							
30215	- Daybeacon 13	34 11 54 N 77 48 21 W				SG on pile.	*
22/03							
30223	- LIGHT 15	34 12 17 N 77 48 12 W	Q G	15	3	SG on pile.	*
22/03							
<b>Edenton Bay</b>							
31740	- LIGHT 2	36 01 57 N 76 36 55 W	Fl R 2.5s	15	4	TR on multi-pile structure.	Higher intensity beam towards 192°.
*							
31745	- LIGHT 4		Fl R 4s	15	3	TR on pile.	*
22/03							
<b>Pembroke Creek</b>							
31765	- Daybeacon 1	36 03 20 N 76 36 44 W				SG on pile.	*
22/03							

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Chowan River</b>							
31785	- ENTRANCE LIGHT CR	36 00 12 N 76 37 27 W	Mo (A) W	17	5	NB on pile.	
		*			*	*	22/03
31800	- LIGHT 5		Fl G 2.5s	16	5	SG on multi-pile structure.	Higher intensity beam towards 166°.
				*	*	*	22/03
32840	- LIGHT 10		Fl R 4s	15	4	TR on pile.	Obscured from 060° to 260°
				*			22/03
34390	- LIGHT 18		Fl R 4s	15	4	TR on pile.	
				*			22/03
<b>Thorofare Channel</b>							
34425	- LIGHT 1	34 55 32 N 76 19 25 W	Fl W 4s	15	4	SG on pile.	Higher intensity beam toward Core Sound.
		*	*		*		22/03
34565	NELSON BAY LIGHT 3	34 52 12 N 76 24 06 W	Fl G 4s	15	4	SG on pile.	
		*					22/03
34570	FULCHERS CREEK LIGHT 1		Fl G 4s	15	4	SG on pile.	
				*			22/03
34635	- LIGHT 39		Fl G 4s	15	3	SG on pile.	
				*			22/03
34640	- CHANNEL LIGHT 41 25 feet outside channel limit.		Fl G 2.5s	15	3	SG on pile.	
				*			22/03
34860	- Daybeacon 10				TR on pile.		
					*		22/03
34865	- CHANNEL LIGHT 12		Q R	15	3	TR on pile.	
					*		22/03
36745	- LIGHT 6	38 57 04 N 74 53 19 W	Fl R 6s	15	4	TR-TY on pile.	
				*	*		22/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>New River - Cape Fear River</b>							
<i>Aids located 30 feet outside channel limit.</i>							
39315	- LIGHT 2	34 32 57 N 77 21 35 W	Q R	18	3	TR-TY on pile.	
		*		*			22/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9160	- LIGHT 8	30 11 00 N 89 31 28 W	Fl R 4s	17	3	TR on pile.	Ra ref.
		*		*			22/03
9200	- LIGHT 7		Fl G 4s	17	4	SG on dolphin.	Ra ref.
			*	*			22/03
20060	- LIGHT 8	29 43 37 N 93 00 37 W	Fl R 6s	15	4	TR on dolphin.	
		*					22/03
<b>*Add Heading: *Devils Elbow</b>							
*20901	- LIGHT 1 90 yards outside channel limit.	30 05 49 N 93 19 14 W	Oc G 4s	17	3	SG-TY on pile.	Ra ref.
							22/03
*20902	- LIGHT 2 72 yards outside channel limit.		Oc R 4s	17	3	TR-SY on pile.	Ra ref.
							22/03
*20903	- LIGHT 3 88 yards outside channel limit.		Fl G 2.5s	17	3	SG-SY on pile.	Ra ref.
							22/03
20910	- LIGHT 3					<i>Remove from list.</i>	
						*	22/03
*20911	- LIGHT 4 45 yards outside channel limit.	30 06 27 N 93 17 59 W	Fl R 2.5s	17	3	TR on pile.	Ra ref.
							22/03
*20931	- LIGHT 6 45 yards outside channel limit.	30 06 30 N 93 17 40 W	Oc R 4s	17	3	TR on pile.	Ra ref.
							22/03
*20933	- LIGHT 8 45 yards outside channel limit.	30 06 29 N 93 17 25 W	Q R	17	3	TR on pile.	Ra ref.
							22/03

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*Denotes a new entry when preceding the station number.*

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22057 33877	- RANGE O REAR PASSING LIGHT		Fl R 4s	54	4	On same structure as Neches Canal Range O Rear Light.	
				*			22/03
22890	- LIGHT 29 235 feet outside channel limit.	29 23 13 N 94 48 48 W	Fl (2) G 6s	17	5	SG on pile.	Ra ref.
				*			22/03
23175	- LIGHT 69	29 34 37 N 94 55 51 W	Fl (2) G 6s	17	5	SG on pile.	Ra ref.
				*			22/03
23345	- LIGHT 89	29 40 23 N 94 58 46 W	Fl (2) G 6s	17	5	SG on pile.	Ra ref.
		*		*			22/03
32770	CAT ISLAND LIGHT 2	30 16 51 N 89 05 06 W	Fl R 2.5s	17	3	TR-TY on pile.	Ra ref.
		*		*			22/03
32860	- LIGHT 24		Fl R 2.5s	17	4	TR-TY on pile.	
				*			22/03
*33746	DEVILS ELBOW LIGHT 3 88 yards outside channel limit.		Fl G 2.5s	17	3	SG-SY on pile.	Ra ref.
							22/03
*33747	DEVILS ELBOW LIGHT 2 72 yards outside channel limit.		Oc R 4s	17	3	TR-SY on pile.	Ra ref.
							22/03
*33748	DEVILS ELBOW LIGHT 1 90 yards outside channel limit.	30 05 49 N 93 19 14 W	Oc G 4s	17	3	SG-TY on pile.	Ra ref.
							22/03
34120	- LIGHT 8		Fl R 4s	25	3	TR-TY on pile.	
							22/03
37590	- LIGHT 71 90 feet outside channel limit.	27 56 35 N 97 03 34 W	Q G	17	4	SG-SY on pile.	Ra ref.
		*					22/03
<b>LAGUNA MADRE (Chart 11303)</b>							
<b>Land Cut - Arroyo Colorado</b>							
39810	- LIGHT 171		Fl G 4s	17	4	SG-SY on pile.	Ra ref.
				*			22/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*183	La Conchita Ocean Physics Research Lighted Buoy	34 21 00 N 119 32 00 W	Fl Y 4s	6	Yellow		Private aid. Ra ref.
							22/03
7945	- Channel Daybeacon 34	38 19 49 N 123 03 08 W			TR on pile.		
		*					22/03
7955	- CHANNEL LIGHT 36	38 19 52 N 123 03 07 W	Fl R 2.5s	3	TR on pile.		
		*					22/03
7975	- Channel Daybeacon 38	38 19 54 N 123 03 01 W			TR on pile.		
		*					22/03
7985	- Channel Daybeacon 42	38 19 48 N 123 02 51 W			TR on pile.		
		*					22/03
7995	- Channel Daybeacon 46	38 19 39 N 123 02 41 W			TR on pile.		
		*					22/03
8305	- LIGHT 5	40 44 32 N 124 13 30 W	Fl G 4s	15	4	Green.	
		*	*	*			22/03
8310	- LIGHT 6	40 44 24 N 124 13 33 W	Fl R 2.5s	15	3	TR on pile.	
		*	*	*		*	22/03
8330	- LIGHT 10	40 44 24 N 124 13 14 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					22/03
8340	- LIGHT 12	40 43 52 N 124 13 13 W	Fl R 2.5s	15	3	TR on pile.	
		*	*	*		*	22/03
17862	MISERY POINT MUSSEL PEN LIGHT C						Remove from list.
							*
*18027	Regulatory Buoy E	47 37 10 N 122 31 34 W			White can with orange markings.	Maintained from May 1 to Sep. 15.	22/03
						Private aid.	
*18028	Regulatory Buoy J	47 37 25 N 122 31 53 W			White can with orange markings.	Maintained from May 1 to Sep. 15.	22/03
						Private aid.	

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Nichols Passage</b>							
22115	Bailey Rock Daybeacon 2	55 15 26 N 131 36 04 W				TR on spindle.	
		*					22/03
22220	- NORTH ENTRANCE LIGHT 2N	55 21 05 N 131 41 21 W	Fl R 6s	8	4	TR on caisson.	
		*					22/03
22265	REFUGE COVE ENTRANCE LIGHT 2	55 24 04 N 131 45 00 W	Fl R 6s	15	4	TR on skeleton tower.	
		*					22/03
22270	Refuge Cove Daybeacon 3	55 24 07 N 131 45 04 W				SG on pile.	
		*					22/03
<b>Behm Canal</b>							
22305	CLOVER PASSAGE ENTRANCE LIGHT	55 28 43 N 131 48 47 W	Fl W 6s	20	5	NR on skeleton tower.	Obscured from 102° to 230°.
		*					22/03
<b>Clarence Strait</b>							
22415	CAAMANO POINT LIGHT	55 29 55 N 131 59 02 W	Fl W 6s	41	6	NR on steel post.	Obscured from 124° to 276°.
		*					22/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
<b>South Side</b>							
<b>Erie Proving Ground</b>							
5780	- Buoy A	41 41 30 N 83 07 33 W				Yellow can.	
		*					22/03
<b>Cheboygan</b>							
11780	- River Entrance Lighted Buoy 2	45 39 58 N 84 27 23 W	Q R	4	Red.		Replaced by LIB (Q R) from Dec. 7 to May 1.
		*					22/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Mackinaw Bridge</b>							
<i>Buoys maintained from Apr. 28 to Dec. 7.</i>							
12625	- Lighted Bell Buoy 1	45 48 29 N 84 42 26 W	Fl G 4s	4	Green.		
		*					22/03
12645	- Lighted Bell Buoy 3	45 48 39 N 84 44 08 W	Fl G 2.5s	5	Green.		
		*					22/03
17740	New Shoal Lighted Buoy 1	45 49 16 N 85 05 17 W	Fl G 4s	4	Green.	Maintained from Apr. 21 to Dec. 14.	
		*					22/03
17760	Simmons Reef Lighted Bell Buoy 2 Marks south side of reef.	45 54 10 N 85 12 58 W	Fl R 4s	4	Red.	Replaced by nun from Nov. 28 to Apr. 21.	
		*					22/03
<b>Grays Reef Passage Channel</b>							
17765	- Lighted Buoy 5	45 46 52 N 85 08 18 W	Fl G 4s	4	Green.	Replaced by can from Dec. 14 to Apr. 21.	
		*					22/03
17770	- Lighted Bell Buoy 4	45 46 56 N 85 09 04 W	Fl R 4s	4	Red.	Replaced by nun from Dec. 14 to Apr. 21.	
		*					22/03
17780	- Lighted Buoy 7	45 45 46 N 85 08 27 W	Fl G 4s	4	Green.	Replaced by can from Dec. 14 to Apr. 21.	
		*					22/03
21470	Wiggins Point Shoal Lighted Bell Buoy 4 Marks southeast side of shoal.	45 50 28 N 86 16 54 W	Fl R 4s	4	Red.	Replaced by nun from Dec. 1 to Apr. 21.	
		*					22/03
<b>Port Inland</b>							
21495	- Lighted Bell Buoy 2	45 54 19 N 85 52 40 W	Fl R 4s	4	Red.	Maintained from Apr. 21 to Dec. 1.	
		*					22/03
21540	Garden Island Shoal Lighted Bell Buoy 1 Marks northeast side of shoal.	45 52 06 N 85 28 26 W	Fl G 4s	4	Green.	Replaced by can from Nov. 28 to Apr. 21.	
		*					22/03

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1283 <i>G 1863</i>	Cofradia Nautica.	33° 21.5' S 71° 41.7' W	L.FI.W. period 8s fl. 3s, ec. 5s	61 <b>18</b>	11	Black round iron tower; 60.	Visible 186°-206°.  *
							22/03
1578 <i>G 1668.6</i>	-Punta Coronel.	41° 48.0' S 73° 28.8' W	FI.G. period 3s fl. 0.3s, ec. 2.7s	30 <b>9</b>	7	PORT (B) G, fiberglass tower; 18.	Visible 005°-056°. Radar reflector.
							22/03
1580 <i>G 1668</i>	-Puerto Chacao Nuevo, ferry pier, head.	41° 49.7' S 73° 30.9' W	FI.G. period 3s fl. 1s, ec. 2s	26 <b>8</b>	7	Green fiberglass tower; 13.	Visible 162°-273°.  *
							22/03
12320 <i>G 5628.6</i>	Wedge Island.	50° 38.1' N 126° 43.3' W	Q.W.	34 <b>10</b>	5	White round tower.	  *
							22/03
12348 <i>G 5624</i>	Haddington Reefs Pier.	50° 36.5' N 127° 00.6' W	FI.R. period 2s fl. 0.1s, ec. 1.9s	25 <b>8</b>	8	White round tower, red band.	  *
							22/03
12440 <i>G 5603</i>	-Helmcken Island.	50° 23.6' N 125° 52.3' W	Q.W.R.	31 <b>9</b>	5	White round tower; 19.	R. 274°-280°30', W.-114°20', R.-122°20'.
							22/03
12480 <i>G 5600.4</i>	Current Passage.	50° 24.6' N 125° 48.6' W	Dir.F.W.R.G.	18 <b>6</b>	8	White round tower.	R. 326°-330°, W.-336°, G.- 340°. White sector indicates preferred channel.
							22/03
12496 <i>G 5595</i>	-Walkern Island.	50° 21.5' N 125° 31.5' W	FI.R. period 4s fl. 0.5s, ec. 3.5s	18 <b>6</b>	5	White round tower, red band.	  *
							22/03
12584 <i>G 5575</i>	Harbott Point.	50° 21.7' N 125° 08.2' W	FI.R. period 4s fl. 0.5s, ec. 3.5s	28 <b>8</b>	4	White round tower, red band; 16.	  *      *      *      *
							22/03
<b>LEWIS CHANNEL:</b>							
12592 <i>G 5574</i>	-Redonda Island.	50° 14.6' N 124° 58.7' W	FI.W. period 4s fl. 0.5s, ec. 3.5s	22 <b>7</b>	6	White round tower, red band.	  *
							22/03
12600 <i>G 5573</i>	-Refuge Cove.	50° 07.0' N 124° 50.9' W	FI.R. period 4s fl. 0.5s, ec. 3.5s	21 <b>6</b>	5	White round tower, red band.	  *
							22/03

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12604 <i>G 5568.6</i>	Thulin Passage.	50° 01.8' N 124° 49.6' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	28 8	5	White round tower, green band.	
				*	*		22/03
12636 <i>G 5572</i>	-Whaletown Bay.	50° 06.4' N 125° 03.5' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	17 5	5	White round tower, green band.	
				*			22/03
12660 <i>G 5566</i>	Kuhushan Point.	49° 53.3' N 125° 07.4' W	Fl.(2)W. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	58 18	12	White square skeleton tower.	
				*			22/03
12672 <i>G 5554</i>	Rebecca Rock.	49° 48.8' N 124° 39.5' W	Fl.W. period 2s fl. 0.6s, ec. 1.4s	30 9	10	White round tower.	Radar reflector.
				*	*		22/03
12688 <i>G 5551.6</i>	Westview Fishing Harbor, S. breakwater, head.	49° 49.9' N 124° 31.7' W	Fl.R. period 4s fl. 0.5s, ec. 3.5s	15 5	5	White round tower, red band.	Fl.G. on N. breakwater head.
				*			22/03
12716 <i>G 5523.8</i>	Malibu Rapids.	50° 09.7' N 123° 51.2' W	Q.G.	18 6	4	White round tower, green band.	
*				*	*		22/03
12744 <i>G 5517</i>	Nelson Rock.	49° 38.6' N 124° 07.1' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	17 5	6	White round tower, red band.	
				*			22/03
13516 <i>G 5355</i>	Beaver Point.	48° 46.3' N 123° 22.1' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	28 8	5	White round tower, green band.	
				*	*		22/03
13560 <i>G 5343.5</i>	Fernie Island.	48° 40.7' N 123° 23.5' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	22 7	5	White round tower, green band.	Radar reflector.
				*			22/03
13565 <i>G 5344.62</i>	-Entrance.	48° 40.3' N 123° 24.3' W	Q.R.	22 7	Mast, on single pile, red and white triangular daymark.		
				*			22/03
13568 <i>G 5344.7</i>	Blue Heron Bay Entrance.	48° 40.4' N 123° 24.7' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	16 5	6	Single pile dolphin, black, white and green daymark.	
				*	*		22/03

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13572 <i>G 5344.74</i>	Blue Heron Basin.	48° 40.4' N 123° 25.0' W	Q.G.	16 5		Single pile dolphin, white, black and green square daymark. *	22/03
13628 <i>G 5337</i>	Kelp Reefs.	48° 32.9' N 123° 14.2' W	Q.W.	35 11	10	White tower. *	22/03

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
792 <i>F 6744</i>	Abuta Byochi, breakwater, head.	42° 31.8' N 140° 46.4' E	Fl.R. period 4s	39 12	7	Red round concrete tower; 32. *	22/03
860 <i>F 6727</i>	Yamasedomari Ko, S. breakwater.	41° 47.1' N 141° 07.8' E	Iso.R. period 4s	39 12	8	Red round concrete structure; 36. *	22/03
*860.5 <i>F 6727.4</i>	-W. breakwater.	41° 47.1' N 141° 07.8' E	Iso.G. period 4s	36 11	9	White tower; 31. *	22/03
1004 <i>F 7034</i>	Era Ko, W. breakwater, head.	41° 32.7' N 139° 59.1' E	Fl.R. period 3s	36 11	8	Red tower; 36. *	22/03
1356 <i>F 6934.5</i>	Konpira Misaki, S.	44° 32.1' N 141° 45.7' E	Fl.(2)R. period 6s	39 12	3	Red tower; 32. *	22/03
2876 <i>F 7195.9</i>	Takaya, breakwater, head.	37° 31.4' N 137° 14.3' E	Fl.R. period 3s	56 17	7	Red tower; 31. *	22/03
2902 <i>F 7194.5</i>	Suzu Misaki.	37° 30.0' N 137° 21.1' E	Fl.R. period 3s	36 11	3	Red tower; 28. *	22/03

NOTO OGI KO:

2932 <i>F 7189</i>	-Tsukumo Wan, S. breakwater.	37° 17.9' N 137° 14.2' E	Fl.(2)R. period 5s	39 12	5	Red tower; 31. *	22/03
2948 <i>F 7188.4</i>	-Obase breakwater.	37° 17.9' N 137° 14.1' E	Fl.(2)G. period 5s	39 12	3	White round concrete structure; 31. *	22/03

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3012 <i>F 7182</i>	Ishisaki Ko, breakwater.	37° 04.6' N 136° 56.2' E	Fl.R. period 4s	29 9	3	Red round concrete tower; 26.	
		*		*		*	22/03
3014 <i>F 7182.2</i>	-N. breakwater, head.	37° 04.6' N 136° 56.4' E	Fl.(2)G. period 6s	20 6	5	White tower; 16.	
				*		*	22/03
4344 <i>F 6546</i>	Kinkazan.	38° 16.6' N 141° 35.0' E	Al.Fl.W.R. period 20s	181 55	20	White tower; 42.	Visible 189°-045°. Storm signals. Signal station (day only).
							Radiobeacon 185 meters NW. DGPS Station 185 meters NW.
RAMARK							
		*				*	22/03
5932 <i>F 6195.4</i>	-Terabe, S. breakwater.	34° 47.1' N 137° 07.2' E	Iso.R. period 8s	39 12	4	Red tower; 31.	
		*		*	*	*	
				*	*	*	22/03
CHITA WAN:							
5964 <i>F 6180</i>	-Issiki Ko, W. breakwater, head.	34° 47.3' N 137° 00.8' E	Fl.G. period 3s	43 13	7	White tower; 31.	
		*	*	*	*	*	
				*	*	*	22/03
6028 <i>F 6159.3</i>	Morosaki Ko, S. breakwater, head.	34° 41.9' N 136° 58.5' E	Iso.G. period 4s	39 12	8	White square concrete tower; 26.	
		*		*	*		
				*	*		22/03
6032 <i>F 6159.2</i>	-Outer breakwater, E. head.	34° 42.1' N 136° 58.7' E	Fl.(2)G. period 6s	43 13	5	White round concrete tower; 31.	
		*		*	*		
				*	*		22/03
6092 <i>F 6158.5</i>	-S. breakwater.	34° 42.2' N 136° 56.2' E	Fl.(2)R. period 6s	33 10	7	Red tower; 25.	
		*	*		*	*	
				*	*		22/03
6096 <i>F 6156</i>	Nakashu, W. breakwater.	34° 42.5' N 136° 55.1' E	Fl.G. period 5s	43 13	3	White tower; 32.	
		*	*	*	*	*	
				*	*		22/03
6100 <i>F 6156.5</i>	-E. breakwater.	34° 42.5' N 136° 55.1' E	Fl.R. period 5s	46 14	7	Red tower; 28.	
		*	*	*	*	*	
				*	*		22/03
6128 <i>F 6136</i>	Oniga-Saki Kamachi, N. breakwater.	34° 54.9' N 136° 49.3' E	Iso.G. period 4s	36 11	4	White round concrete tower; 28.	
		*		*	*		
				*	*		22/03

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6224 <i>F 6082</i>	Tuko Iguratu, breakwater.	34° 40.8' N 136° 33.0' E	Oc.(2)G. period 6s	59 18	8	White round concrete structure; 53.	
		*			*		22/03
KAGOSHIMA WAN:							
10924 <i>F 4821.6</i>	-Kanoya AVIATION LIGHT.	31° 22.6' N 130° 50.2' E	Al.FI.W.G. period 4.3s	705 215		Metal framework tower; 49.	
		*					22/03
13261 <i>F 4765.05</i>	Maedomari Ko.	27° 01.9' N 127° 58.2' E	Fl.G. period 3s	56 17	7	White tower; 39.	
		*			*		22/03
13310 <i>F 4754.8</i>	-W. detached breakwater, E. head.	26° 18.4' N 127° 52.1' E	Fl.G. period 3s	42 13	5	White tower; 31.	
		*			*		22/03
13310.5 <i>F 4754.9</i>	-E. detached breakwater, W. head.	26° 18.5' N 127° 52.3' E	Fl.R. period 3s	33 10	4	Red tower; 18.	
					*		22/03
13462 <i>F 4739.85</i>	Tokashiki.	26° 11.9' N 127° 22.4' E	Fl.G. period 3s	52 16	5	White tower; 39.	
					*		22/03
*26105.5 <i>K 3396.2</i>	Tanjung Worisanua.	2° 12.4' S 136° 25.3' E	Fl.W. period 6s fl. 1s, ec. 5s			White beacon.	
							22/03

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*3518 <i>D 2144.2</i>	"E2N".	38° 26.6' N 9° 06.3' W	Oc.Y. period 6s lt. 5s, ec. 1s		3	SPECIAL Y, beacon, topmark; 10.	
							22/03
3623 <i>D 2172.3</i>	Posto.	37° 04.2' N 8° 46.4' W	L.FI.W. period 5s fl. 2s, ec. 3s	52 16	11	On building.	
					*		22/03
3680 <i>D 2188</i>	Praia do Carvoeiro, on the beach.					Remove from list.	
						*	22/03
14740 <i>E 3990</i>	-Akra Kerion.	37° 39.3' N 20° 48.5' E	Fl.W. period 10s fl. 0.4s, ec. 9.6s	636 194	17	Round tower on dwelling; 23.	
		*			*		22/03

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23344 <i>D 2692</i>	-Ponta da Ribeirinha.	38° 35.7' N 28° 36.2' W	Fl.(3)W. period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 12.5s	433 <b>132</b>	12	Metal post; 16.	
		*	*	*	*	*	*
							22/03

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*8006 <i>A 1673</i>	-Saint Enogat Range, front.	48° 38.2' N 2° 04.1' W	Iso.W. period 4s	10 <b>3</b>	6	White metal mast; 10.	Visible 126°-236°.
							22/03
*8006.1 <i>A 1673.1</i>	--Dinard, rear 158.2° from front.	48° 37.0' N 2° 03.3' W	Iso.W. period 4s	279 <b>85</b>	8	White tower; 115.	Visible 143°-210°. Synchronized with front.
							22/03

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
RANDERS FJORD:							
1936 <i>C 0176</i>	-Udbyhoj.	56° 35.4' N 10° 19.2' E	Oc.W.R.G. period 5s lt. 4s, ec. 1s	108 <b>33</b>	W. 15 R. 12 G. 12	Gray round tower; 15.	G. 194°-228°, W.-232°, R.- 254°, G.-276°, W.-279°, R.- 289°.
		*	*	*	*	*	22/03
*3194 <i>C 1287</i>	-Mecklenburger Bucht.	54° 17.1' N 11° 24.6' E	Oc.(3)Y. period 12s	62 <b>19</b>	5	Pole; 72.	
							22/03
3752 <i>C 1556</i>	Knudshoved.	55° 17.4' N 10° 51.0' E	Oc.W.R.G. period 10s lt. 6s, ec. 4s	52 <b>16</b>	W. 12 R. 10 G. 10	White square tower; 41.	G. 220°-269°, W.-276°, R.- 305°30', G.-359°, W.-003°30', R.-095°.
				*			22/03
4184 <i>C 1719.3</i>	-Rosnaes Range, front.	54° 50.0' N 11° 06.3' E	Iso.G. period 2s	13 <b>4</b>	4	Orange triangular daymark, point up.	
*	*	*	*	*	*	*	*
							22/03
4188 <i>C 1719.4</i>	--Rear, 265 meters 064° from front.	54° 50.0' N 11° 06.5' E	Iso.G. period 4s	30 <b>9</b>	4	Orange triangular daymark, point up.	
*	*	*	*	*	*	*	*
							22/03
5120 <i>C 2270</i>	Lerberget, N. pier, head.	56° 10.6' N 12° 33.2' E	Fl.W.R.G. period 3s	13 <b>4</b>	W. 6 R. 4 G. 4	Post.	G. shore-356°, R.-010°, G.- 042°, W.-048°, R.-065°, G.- 108°, W.-113°, R.-143°, G.- shore. Fishing light shown from Sept. 1 to Nov. 1 and at other times when required.
		*					22/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7152 <i>C 7582</i>	-Simrishamn.	55° 33.5' N 14° 21.6' E	Iso.W.R.G. period 6s	52 <b>16</b>	W. 13 R. 10 G. 9	White concrete tower; 51.	G. shore-160°, W.-223°, G.- 238°, W.-279°, R.-285°, W.- 355°, R.-shore.
		*				*	22/03
9808 <i>C 7242</i>	Flundereviken Range, front.	57° 40.1' N 18° 19.8' E	F.R.	16 <b>5</b>	5	Post, red triangular daymark.	Fishing.
		*					22/03
9812	-Rear, 27 meters 096° from front.	57° 40.1' N 18° 19.8' E	F.R.	23 <b>7</b>	5	Post, red triangular daymark.	Fishing.
		*					22/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
 Denotes a new entry when preceding the station number.

## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 22/03

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG CATP2V01U</b>								
Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22/03	SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	FGPUB941PAC	2001	N22/01*
Region 2	2002	1*,8,15,17,20,21, 22/03	SDPUB147	2001	35/01*;21,22,23, 24/02	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
Region 3	2002	1/03*	SDPUB148	2001	48/01*;23,24/02; 22/03	NOSPBCATALOG1	2000	20/00*
Region 4	2002	1/03*	SDPUB153	2000	6/01*;28,30,41,44, 46,47,48,52/02;1,3, 4,8,13,15,22/03	NOSPBCATALOG2	2000	34/00*
Region 5	2002	1*,3,5,8,22/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14, 19/03	NOSPBCATALOG3	2000	28/00*
Region 6	2002	1*,10,11,13,16,19, 20,21/03	SDPUB155	2001	31*,48/01;10,45, 46/02	NOSPBCATALOG4	2000	34/00*
Region 7	2002	1*,11,15/03	SDPUB158	2000	50/00*;5,10,12,13, 15,17,20,24/01; 46/02	<b>ALMANACS</b>		
Region 8	2002	1*,14/03	SDPUB159	2002	42*,48/02	AIRALMANAC301	2003	44/02*
Region 9	2002	1/03*	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11,19,21,22/03	NAUTALMANAC03	2003	44/02*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21/03	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	<b>COAST PILOT</b>		
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21/03	SDPUB162	2001	51/01*;5,12/03	NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02;3, 9,10,18,20/03
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6,7,8,9,10, 12,15,16,17,18,19, 20,21,22/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13/03	NOSPBCP2	32	17*,18,21,22/03
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22/03	SDPUB164	2000	30/00*;31,35,36/01; 8/03	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12,13,14,18,20/03
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12,13,14,15, 16,17,18,19,20,21, 22/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02	NOSPBCP4	34	49*,51/02;12,14,18, 20,21,22/03
LLPUB114	2003	17*,19,21,22/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22/03	NOSPBCP5	30	2*,6,10,12,14,18, 20/03
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1,15,19, 20/03	SDPUB173	2002	50*,51/02;3,22/03	NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02;3,6,18, 20/03
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02;1,2, 4,5,6,7,8,9,10,11,12, 13,16,17,18,19,20, 21,22/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	NOSPBCP7	34	1*,3,10,18,20,21, 22/03
SDPUB117	2003	19/03*	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02	NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02;9, 18/03
SDPUB118	2002	9/03*	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17, 21/03	NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02;3,6,9,10, 14,18,20/03
SDPUB119	2002	4/03*	SDPUB181	2002	38*,39/02	<b>RADIO NAVIGATIONAL AIDS</b>		
SDPUB120	2003	17/03*	SDPUB182	2001	8*,10,12,41/02; 17/03	RAPUB117	2002	50/02*;13/03
SDPUB121	2002	6*,8,15,17/03	SDPUB183	2001	27/01*;13,15,16/02; 18/03	<b>AMERICAN PRACTICAL NAVIGATOR</b>		
SDPUB122	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21/03	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,4,12,15,18, 22/03	NVPUB9	2002	36/02*;14/03
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02	SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;2,4,5,6,7,8, 13/03	<b>INTERNATIONAL CODE OF SIGNALS</b>		
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19, 20/03	CDPUBNV102	2003	20/03*
SDPUB125	2002	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02;5,03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	<b>WORLD PORT INDEX</b>		
SDPUB126	2002	39*,41,42,43,44,45, 48/02	SDPUB200	2002	38*,39,42/02;22/03	NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03
SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02;5,03	SDPUB196	2001	11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;2,4,5,6,7,8, 13/03	<b>DISTANCES BETWEEN PORTS</b>		
SDPUB128	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB197	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19, 20/03	NVPUB151	2001	4/02*
SDPUB129	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB198	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
SDPUB130	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB199	2001	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02;18,19, 20/03	CDPUBNV1310	2001	51/01*
SDPUB131	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB200	2002	38*,39,42/02;22/03	<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SDPUB132	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB201	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB229V1	1970	11/71*
SDPUB133	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB202	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB229V2	1970	11/71*
SDPUB134	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB203	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB229V3	1970	7/71*
SDPUB135	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB204	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB229V4	1970	3/71*
SDPUB136	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB205	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB229V5	1970	3/71*
SDPUB137	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB206	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB229V6	1970	23/70*
SDPUB138	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB207	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	<b>SIGHT REDUCTION TABLES (AIR)</b>		
SDPUB139	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB208	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB249V1	2000	4/01*
SDPUB140	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB209	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB249V2	1952	46/52*
SDPUB141	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB210	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	SRPUB249V3	1952	46/52*
SDPUB142	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB211	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	<b>CHART NO. 1</b>		
SDPUB143	2000	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22/03	SDPUB212	2002	33*,40,49,51,52/02; 1,2,3,15,16,21/03	WOBZC1	1997	18/98*
<b>FLEET GUIDES</b>			SDPUB213	2001	N47/01*			

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 22/03**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
<b>CHART NO. 4</b> WOBZC4	1988	N23/91*		
<b>ATLAS OF PILOT CHARTS</b>				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
<b>USCG NAVIGATION RULES</b>				
COMDTM166722D	1999	44/99*,52/00		
<b>NOS TIDE TABLES</b>				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
<b>TIDAL CURRENT TABLES</b>				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

### **SECTION III**

**NM 22/03**

#### **BROADCAST WARNINGS**

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

#### **NAVAREA IV**

Messages in force 151200Z May 2003:

2001 series	219(GEN)	468(GEN)	151(24)	185(11,26)
393(GEN)	346(GEN)	2003 series	167(24)	186(GEN)
2002 series	351(11)	108(26,27)	175(11)	189(11)

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarter are issued in NM 13/03.

#### **NAVAREA IV WARNINGS issued from 081200Z to 151200Z May 2003.**

185/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 0400Z TO 0359Z COMMENCING DAILY  
12 THRU 18 MAY IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-33N 080-55W.
- B. 0400Z TO 0359Z COMMENCING DAILY  
12 THRU 18 MAY IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
- C. 1400Z TO 0600Z COMMENCING DAILY  
13 THRU 16 MAY IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.

2. CANCEL THIS MSG 190459Z MAY.

(091415Z MAY 2003)

186/03(11).

1. NAVAREA IV MESSAGES IN FORCE 101000Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 151(24), 167(24), 175(11), 178(11,26), 181(51), 184(11,25,26), 185(11,26).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA IV 180/03.

(101010Z MAY 2003)

187/03 and 188/03. CANCELED.

189/03(11). GULF OF MEXICO. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 191300Z MAY TO 061030Z JUN IN AREA BETWEEN 27-39.0N 27-37.0N AND 096-52.4W 096-50.1W.
2. CANCEL THIS MSG 061130Z JUN.

(140920Z MAY 2003)

## SECTION III

## HYDROLANTS

Messages in force 151200Z May 2003:

2000 series	946(53)	67(37)	675(37)	867(37)	930(GEN)
1569(36)	1485(24)	76(54)	713(52)	874(36)	936(54)
2937(38)	2027(GEN)	271(GEN)	722(55)	875(55)	938(51)
3762(43)	2203(51)	309(24)	738(35)	903(36)	939(23,29)
4265(44)	2354(53)	317(37)	741(GEN)	910(24)	941(54)
2001 series	2673(GEN)	339(GEN)	744(56)	911(55)	943(24)
611(44)	2682(51)	390(22)	749(55)	915(53)	946(42)
1798(37)	2808(24)	433(GEN)	754(37)	917(55)	948(57)
2659(GEN)	2848(37)	490(51)	771(51,52)	919(37)	949(35)
2700(37)	2869(52)	544(55)	787(56)	921(54)	950(36)
3161(44)	2882(54)	551(53)	838(37)	922(53)	952(54)
2002 series	2883(54)	563(37)	854(52,53)	925(53)	953(24)
245(GEN)	2003 series	604(26,27)	857(53)	926(GEN)	954(24)
246(GEN)	41(37)	633(37)	863(51)	927(GEN)	955(53)
383(53)	65(53)	635(51)	865(53)	929(43)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.  
Warnings issued during the subsequent quarter are issued in NM 13/03.

## HYDROLANT WARNINGS issued from 081200Z to 151200Z May 2003.

916/03. CANCELED.

917/03(55). BLACK SEA.

1. GEOPHYSICAL SURVEY BY M/V TOPAZ 14 MAY THRU 20 JUN  
IN AREA BOUND BY 46-00N 030-30E,  
46-20N 031-00E, 46-00N 032-30E.
2. CANCEL THIS MSG 21 JUN.

(081257Z MAY 2003)

918/03. CANCELED.

919/03(37). DOVER STRAIT.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V STIBRAS TOWING 50 METER LONG CABLE  
IN AREA BOUND BY 50-15N 000-12E,  
50-28N 000-05E, 50-32N 000-32E,  
50-30N 000-56E. WIDE BERTH REQUESTED.

(090008Z MAY 2003)

920/03. CANCELED.

921/03(54). ADRIATIC SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1100Z DAILY 14 AND 15 MAY  
IN AREA BOUND BY 43-20N 016-20E, 43-17N 016-20E,  
43-13N 016-00E, 43-26N 016-00E, 43-20N 016-20E.
2. CANCEL THIS MSG 151200Z MAY.

(090940Z MAY 2003)

922/03(53). SICILIA-SOUTHEAST COAST.

1. CONTAINER ADRIFT IN 36-36N 015-02E.
2. CANCEL THIS MSG 16 MAY.

(091240Z MAY 2003)

923/03 and 924/03. CANCELED.

925/03(53). SARDEGNA-NORTHWEST COAST.

1. OCEANOGRAPHIC OPERATIONS 12 MAY THRU 31 JUL  
BY M/V GALATEA IN AREA BOUND BY  
41-17N 008-05E, 41-17N 008-55E,  
41-02N 008-55E, 40-49N 008-05E,  
40-49N 008-11E.
2. CANCEL HYDROLANT 916/03(24) AND 920(53,54).
3. CANCEL THIS MSG 01 AUG.

(100710Z MAY 2003)

## SECTION III

926/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 101100Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 675(37), 713(52), 722(55), 738(35), 741(GEN), 744(56), 749(55), 754(37), 771(51,52), 787(56), 838(37), 854(52,53), 857(53), 863(51), 865(53), 867(37), 874(36), 875(55), 885(51), 903(36), 909(24), 910(24), 911(55), 914(24), 915(53), 917(55), 919(37), 921(54), 922(53), 924(24), 925(53).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROLANT 642/03, 891/03.

(101110Z MAY 2003)

927/03(GEN). CAPE VERDE TO GUADELOUPE.

35 FOOT S/V GAMGEE, WHITE HULL WITH BLUE TRIM, TWO PERSONS ON BOARD, UNREPORTED CAPE VERDE TO GUADELOUPE. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC NORFOLK, PHONE: 757 398 6231, FAX: 757 398 6392.

(101653Z MAY 2003)

928/03. CANCELED.

929/03(43). NORTH SEA.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V CGG AMADEUS TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 57-30N 57-50N AND 000-50E 001-20E. WIDE BERTH REQUESTED.

(101735Z MAY 2003)

930/03(GEN). EUROPE-NORTHWEST COAST.

1. LORAN-C STATION EJDE, RATE 9007-MASTER, OFF AIR 0900Z TO 1100Z DAILY 13 AND 14 MAY, ALTERNATE 0900Z TO 1100Z DAILY 15 AND 16 MAY.
2. CANCEL THIS MSG 161200Z MAY.

(110405Z MAY 2003)

931/03 thru 935/03. CANCELED.

936/03(54). ADRIATIC SEA. GUNNERY.

1. GUNNERY EXERCISES 0400Z TO 0700Z DAILY 15 AND 16 MAY IN AREA BOUND BY 43-34.5N 015-55.2E, 43-34.4N 015-51.1E, 43-30.5N 015-52.2E, 43-30.4N 015-57.4E.
2. CANCEL THIS MSG 160800Z MAY.

(121450Z MAY 2003)

937/03. CANCELED.

938/03(51). MOROCCO.

CHART 51013 (4TH ED). NAVIGATION PROHIBITED 130100Z MAY UNTIL FURTHER NOTICE IN AREA BOUND BY 33-33.27N 007-45.00W, 33-36.30N 007-45.00W, 33-40.08N 007-37.00W, 33-36.06N 007-37.00W.

(122004Z MAY 2003)

939/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 12 MAY IN:
  - A. -38A, 22 MILES BY 48 MILES IN 59-30S 050-18W.
  - B. -38B, 22 MILES BY 25 MILES IN 60-30S 051-48W.
  - C. -38C, SEVEN MILES BY 11 MILES IN 60-12S 047-36W.
  - D. -38D, TWO MILES BY TEN MILES IN 61-24S 050-30W.
  - E. -43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
  - F. -43C, 24 MILES BY 41 MILES IN 58-36S 037-00W.
  - G. -43G, EIGHT MILES BY 49 MILES IN 49-42S 031-36W.
  - H. -43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - I. -46, FOUR MILES BY 11 MILES IN 53-48S 043-54W.
  - J. -47, NINE MILES BY 14 MILES IN 52-18S 047-36W.
  - K. -48, NINE MILES BY TEN MILES IN 61-12S 050-00W.
  - L. -50, ONE MILE BY TEN MILES IN 60-48S 051-18W.
  - M. -09A, 15 MILES BY 22 MILES IN 51-06S 030-00W.
2. CANCEL THIS MSG 20 MAY.

(130440Z MAY 2003)

940/03. CANCELED.

### SECTION III

NM 22/03

941/03(54). ADRIATIC SEA.

MAN OVERBOARD FROM M/V BELE VICINITY 41-32.7N 017-34.8E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,  
PHONE: 3906 5908 4527, FAX: 3906 5908 4793.

(131020Z MAY 2003)

942/03. CANCELED.

943/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 162300Z MAY  
BY M/V TROPICALIENTE TOWING FIVE 6000 METER  
LONG CABLES IN AREA BOUND BY  
02-55.6S 038-59.1W, 02-58.4S 038-55.8W,  
03-01.0S 038-58.0W, 02-58.2S 039-01.3W.  
SIX MILE BERTH REQUESTED.  
2. CANCEL 170001Z MAY.

(131815Z MAY 2003)

944/03 and 945/03. CANCELED.

946/03(42). BARENTS SEA. ICE.

1. ICEBERG REPORTED IN 72-46N 045-35E ON 13 MAY.  
2. CANCEL HYDROLANT 940/03(53), AID RESTORED.  
3. CANCEL THIS MSG 21 MAY.

(140950Z MAY 2003)

947/03. CANCELED.

948/03(57). GULF OF GUINEA.

1. SEISMIC SURVEY 15 MAY THRU 15 AUG BY M/V RAMFORM VALIANT  
TOWING TEN 6000 METER LONG CABLES IN AREA BOUND BY  
01-20S 008-00E, 01-20S 008-40E, 01-50S 008-55E,  
01-50S 008-05E. FIVE MILE BERTH REQUESTED.  
2. CANCEL HYDROLANT 181/03.  
3. CANCEL THIS MSG 16 AUG.

(141800Z MAY 2003)

949/03(35). SCOTLAND.

CHART 35000 (26TH ED).  
1. STIRLING DGPS STATION 56-04N 004-04W  
OFF AIR 151000Z TO 151400Z MAY.  
2. CANCEL THIS MSG 151500Z MAY.

(142202Z MAY 2003)

950/03(36). ENGLAND-SOUTH COAST.

CHART 36005 (2ND ED).  
1. DGPS STATION AT ST CATHERINES POINT LIGHT  
50-35N 001-18W OFF AIR 150900Z TO 151000Z MAY,  
AT REDUCED POWER 151000Z TO 160900Z MAY  
AND OFF AIR 160900Z TO 161600Z MAY.  
2. CANCEL THIS MSG 161700Z MAY.

(150046Z MAY 2003)

951/03. CANCELED.

952/03(54). ADRIATIC SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:  
A. 160001Z TO 302359Z MAY IN AREA BOUND BY  
41-40N 018-45E, 41-40N 019-20E,  
41-15N 019-20E, 41-05N 019-05E,  
41-15N 018-45E.  
B. 160001Z TO 302359Z MAY IN AREA BOUND BY  
41-37N 018-39E, 41-27N 018-53E,  
41-37N 019-06E, 41-47N 018-53E.  
C. 160001Z TO 302359Z MAY IN AREA BOUND BY  
41-31N 019-06E, 41-23N 019-18E,  
41-31N 019-29E, 41-40N 019-17E.  
D. 190001Z TO 262359Z MAY IN AREA BOUND BY  
40-00N 019-00E, 40-25N 019-00E,  
40-31N 019-10E, 40-31N 019-20E,  
40-25N 019-25E, 40-00N 019-25E.  
E. 190001Z TO 262359Z MAY WITHIN TEN MILES  
OF TRACKLINE JOINING  
41-00N 019-55E, 40-30N 019-30E,  
40-40N 019-10E, 41-10N 019-35E.  
2. CANCEL HYDROLANT 942/03.  
3. CANCEL THIS MSG 310059Z MAY.

(150540Z MAY 2003)

SECTION III

953/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 172359Z MAY  
BY M/V CGG ALIZE TOWING EIGHT 7408 METER  
LONG CABLES IN AREA BOUND BY  
01-28S 042-41W, 01-35S 042-25W,  
02-07S 042-40W, 02-01S 042-56W.  
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 180059Z MAY.

(150820Z MAY 2003)

954/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 182359Z MAY  
BY M/V CGG HARMATTAN TOWING FIVE 7408 METER  
LONG CABLES IN AREA BOUND BY  
00-32.0S 043-33.0W, 00-44.0S 043-44.0W,  
01-01.5S 043-24.0W, 00-48.5S 043-12.0W.  
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 190059Z MAY.

(150840Z MAY 2003)

955/03(53). TYRRHENIAN SEA.

1. CONTAINER ADRIFT VICINITY 38-18.4N 014-08.7E.
2. CANCEL THIS MSG 22 MAY.

(150950Z MAY 2003)

**SECTION III****NAVAREA XII**

Messages in force 151200Z May 2003:

2001 series 298(GEN)	2002 series 178(GEN)	260(GEN) 339(GEN)	2003 series 111(19)	125(GEN) 126(18)
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The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarter are issued in NM 13/03.

**NAVAREA XII WARNINGS issued from 081200Z to 151200Z May 2003.**

123/03 and 124/03. CANCELED.

125/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 100800Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 111(19), 122(18), 124(19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA XII 116/03.

(101020Z MAY 2003)

126/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
 

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 122/03.

(151010Z MAY 2003)

### SECTION III

NM 22/03

#### HYDROPACS

Messages in force 151200Z May 2003:

2000 series	2111(62)	514(73)	647(74)	743(62)	816(94,97)
597(73)	2191(22)	515(73)	649(71,93)	744(29)	817(63)
1557(94)	2199(63)	525(73,74)	663(61)	752(62)	818(63)
2001 series	2277(GEN)	549(63)	667(62)	755(74)	819(62)
1556(71)	2330(62)	556(62)	673(81)	760(63)	820(23,29)
1647(GEN)	2339(63)	560(63)	690(91,93)	761(63)	821(76)
1976(62)	2402(22)	569(62)	695(73)	765(63)	823(63)
2002 series	2003 series	570(62)	696(76)	766(63)	824(63)
146(62)	74(63)	575(81,92)	705(63)	767(81)	826(63)
196(61)	100(29)	592(62)	710(63)	771(61)	828(63)
205(GEN)	167(95)	593(62)	716(71)	773(81)	829(97)
206(GEN)	197(71)	600(62)	728(95)	776(61)	830(62,63)
207(93)	207(62)	601(81)	729(94,95)	777(62)	831(94,95,97)
352(73)	215(GEN)	613(93)	730(95)	787(73)	832(22)
403(72,73)	365(63)	614(61)	731(94,95)	797(75)	833(22)
637(75)	380(71)	620(GEN)	732(71)	800(62)	834(62,63)
828(62)	445(96)	624(GEN)	734(62)	801(72)	836(71,93)
1661(GEN)	495(62)	631(22)	735(62)	803(71)	837(63)
1765(71)	496(62)	637(GEN)	739(95)	806(74)	
1843(22)	506(62)	638(62)	740(61)	807(GEN)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.  
Warnings issued during the subsequent quarter are issued in NM 13/03.

#### HYDROPAC WARNINGS issued from 081200Z to 151200Z May 2003.

801/03(72). JAVA SEA.

CHART 72000 (8TH ED).

SUBMERGED OBSTRUCTION REPORTED IN 05-11.7S 114-50.2E.

(081915Z MAY 2003)

802/03. CANCELED.

803/03(71). STRAIT OF MALACCA.

1. SALVAGE OPERATIONS IN PROGRESS UNTIL 18 JUN  
VICINITY 01-15.0N 103-25.3E.
2. CANCEL THIS MSG 19 JUN.

(091332Z MAY 2003)

804/03 and 805/03. CANCELED.

806/03(74). AUSTRALIA-NORTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V VERITAS SEARCHER TOWING 4.5 MILE LONG CABLE  
IN AREA BETWEEN 10-20S 10-50S AND 125-50E 126-30E.
2. CANCEL HYDROPAC 798/03.

(100750Z MAY 2003)

807/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 101100Z MAY 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 570(62), 575(81,92), 589(76), 592(62), 593(62),  
600(62), 601(81), 613(93), 614(61), 620(GEN), 624(GEN),  
631(22), 637(GEN), 638(62), 647(74), 649(71,93), 663(61),  
667(62), 673(81), 690(91,93), 695(73), 696(76), 705(63),  
710(63), 716(71), 728(95), 729(94,95), 730(95), 731(94,95),  
732(71), 734(62), 735(62), 739(95), 740(61), 743(62),  
744(29), 752(62), 755(74), 757(81), 760(63), 761(63),  
765(63), 766(63), 767(81), 771(61), 773(81), 776(61),  
777(62), 787(73), 788(63), 793(94,95,97), 794(62), 797(75),  
800(62), 801(72), 802(75), 803(71), 806(74).

2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROPAC 545/03, 562/03, 684/03, 769/03.

(101120Z MAY 2003)

808/03 thru 815/03. CANCELED.

## SECTION III

816/03(94,97). EAST CHINA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 JUL  
BY VESSEL TOWING 800 METER LONG CABLE  
IN AREA BOUND BY 29-22N 123-18E,  
29-22N 124-07E, 28-48N 124-12E,  
28-48N 123-08E, 29-02N 123-08E,  
29-02N 123-18E.
2. CANCEL THIS MSG 21 JUL.

(121010Z MAY 2003)

817/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 151030Z TO 151430Z MAY IN AREA BOUND  
BY 16-02N 071-15E, 16-15N 071-05E, 16-52N 071-35E.
2. CANCEL THIS MSG 151530Z MAY.

(121220Z MAY 2003)

818/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 150230Z TO 150530Z AND  
151230Z TO 151430Z MAY IN AREA BOUND BY 17-42.2N 083-18.6E,  
17-42.1N 083-29.9E, 17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 151530Z MAY.

(121230Z MAY 2003)

819/03(62). IRAQ. UMM QASR.

- REFER HYDROPAC 752/03.
- CHARTS 62434 (9TH ED), 62437 (9TH ED).
1. DELETE BUOY 6 IN 29-59-49N 048-12-48E.
  2. DELETE BUOY IN 29-56-36N 048-16-36E.
  3. DELETE BUOY IN 30-01-15N 048-11-12E.
  4. DELETE BUOY IN 30-01-35N 048-02-36E.
  5. DELETE BUOY IN 29-59-54N 047-58-43E.
  6. RELOCATE BUOY 28 TO 30-01-55N 048-05-29E.
  7. RELOCATE BUOY 29 TO 30-02-10N 048-05-29E.
  8. RELOCATE BUOY 31 TO 29-59-51N 048-01-08E.
  9. CHANGE DESIGNATION OF BUOY 4 TO 2 IN  
29-42-27N 048-40-27E.
  10. CHANGE CHARACTERISTIC OF BUOY 14 TO  
Q(3) R 15 SEC IN 29-51-28N 048-22-51E.
  11. CHANGE CHARACTERISTIC OF BUOY 19 TO  
FL(2) G 5 SEC IN 29-55-22N 048-17-51E.
  12. CHANGE CHARACTERISTIC OF BUOY 21 TO  
FL G 3 SEC IN 29-57-46N 048-15-08E.
  13. CHANGE BUOY 8 TO 24, R, CAN, FL(3) R 10 SEC  
IN 30-00-38N 048-11-05E.
  14. CHANGE CHARACTERISTIC OF BUOY 26 TO  
FL R 10 SEC IN 30-01-40N 048-07-20E.
  15. CHANGE BUOY B TO 33, G, CONICAL, UNLIT  
IN 30-00-08.5N 047-58-41.0E.
  16. CHANGE DESIGNATION OF BUOY 33 TO 35 IN  
30-00-15.8N 047-58-02.0E.
  17. CHANGE CHARACTERISTIC OF BUOY 36 TO  
FL(3) R 12 SEC IN 30-00-02N 047-57-59E.
  18. CHANGE BUOY A TO 37, G, CONICAL, UNLIT IN  
30-00-46N 047-57-40E.
  19. ADD BUOY 22, R, CAN, FL(2) 8 SEC IN  
29-59-56N 048-12-34E.
  20. ADD BUOY 23, G, CONICAL, FL(3) G 15 SEC IN  
30-00-07N 048-12-44E.
  21. ADD BUOY Y, PILLAR, FL Y IN 29-54-18N 048-18-35E.
  22. ADD DESIGNATION 24A TO BUOY IN  
30-01-30.0N 048-09-21.0E.
  23. BUOYS 5, 9, 10, 11, 13, 15, 16, 17 AND 20  
ARE NOW POSITIONED AND SHOWING AS THEY ARE  
PORTRAYED ON NIMA CHARTS 62434 AND 62437.
  24. CANCEL HYDROPAC 794/03.

(130018Z MAY 2003)

820/03(23,29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 12 MAY IN:
  - A. A-38A, 22 MILES BY 48 MILES IN 59-30S 050-18W.
  - B. A-38B, 22 MILES BY 25 MILES IN 60-30S 051-48W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 60-12S 047-36W.
  - D. A-38D, TWO MILES BY TEN MILES IN 61-24S 050-30W.
  - E. A-43A, 14 MILES BY 35 MILES IN 67-18S 059-18W.
  - F. A-43C, 24 MILES BY 41 MILES IN 58-36S 037-00W.
  - G. A-43E, TEN MILES BY 14 MILES IN 68-24S 060-06W.
  - H. A-43F, 22 MILES BY 44 MILES IN 66-30S 059-54W.
  - I. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - J. A-43J, FIVE MILES BY 17 MILES IN 67-36S 060-30W.
  - K. A-48, NINE MILES BY TEN MILES IN 61-12S 050-00W.
  - L. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
  - M. A-50, ONE MILE BY TEN MILES IN 60-48S 051-18W.

### SECTION III

NM 22/03

N. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.  
O. A-52, EIGHT MILES BY 22 MILES IN 65-42S 060-30W.  
2. CANCEL THIS MSG 20 MAY.

(130450Z MAY 2003)

821/03(76). NEW ZEALAND. NORTH ISLAND-NORTH COAST.  
CHART 76040 (8TH ED).  
CAPE BRETT LIGHT 35-10S 174-20E UNRELIABLE.

(130810Z MAY 2003)

822/03. CANCELED.

823/03(63). INDIA-WEST COAST. ROCKETS.  
1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY  
14 AND 15 MAY WITHIN 75 MILES OF  
08-31.9N 076-52.1E.  
2. CANCEL THIS MSG 151700Z MAY.

(130925Z MAY 2003)

824/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY UNTIL 15 MAY  
IN AREA BOUND BY 19-14.6N 084-53.7E,  
19-10.5N 085-01.0E, 19-01.7N 084-56.8E,  
19-05.1N 084-48.4E, 19-12.6N 084-51.6E.  
2. CANCEL THIS MSG 151330Z APR.

(130935Z MAY 2003)

825/03. CANCELED.

826/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 14 THRU 21 MAY  
IN AREA BETWEEN 15-13N 15-11N AND 073-57E 073-52E.  
2. CANCEL THIS MSG 211330Z MAY.

(131345Z MAY 2003)

827/03. CANCELED.

828/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 MAY  
WITHIN 25 MILES OF 14-01.0N 074-19.6E.  
2. CANCEL THIS MSG 211230Z MAY.

(131420Z MAY 2003)

829/03(97). NORTH PACIFIC.  
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 36-24N 149-13E  
AT 131257Z MAY. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(131440Z MAY 2003)

830/03(62,63). ARABIAN SEA. MISSILES.  
1. HAZARDOUS OPERATIONS 0001Z TO 1500Z DAILY  
14 AND 15 MAY IN AREA BOUND BY  
17-10N 063-25E, 21-35N 064-10E,  
21-35N 064-45E, 17-10N 064-50E.  
2. CANCEL THIS MSG 151600Z MAY.

(131745Z MAY 2003)

831/03(94,95,97). NORTH PACIFIC. SOUTH KOREA.  
1. LORAN-C STATION KWANGJU, RATE 9930-W, OFF AIR  
0001Z TO 0900Z DAILY UNTIL 17 MAY.  
2. CANCEL THIS MSG 171000Z MAY.

(140840Z MAY 2003)

832/03(22). SOUTH PACIFIC. PERU.  
CHART 608 (2ND ED).  
ODAS BUOY 07-59.4S 085-00.6W MISSING.

(141445Z MAY 2003)

833/03(22). PERU.  
CHART 22008 (35TH ED).  
ISLA BLANCA LIGHT 13-44.0S 076-18.6W UNLIT.

(141610Z MAY 2003)

### SECTION III

834/03(62,63). ARABIAN SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0400Z TO 1700Z DAILY  
16 AND 17 MAY IN AREA BOUND BY  
17-10N 063-25E, 21-35N 064-10E,  
21-35N 064-45E, 17-10N 064-50E.
2. CANCEL THIS MSG 171800Z MAY.

(141825Z MAY 2003)

835/03. CANCELED.

836/03(71,93). SOUTH CHINA SEA.

VESSEL SANG THAI KILIN SANK IN 05-31N 109-22E.  
20 PERSONS ABANDONED SHIP IN ONE LIFERAFT.  
VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS  
TO SINGAPORE PORT OPERATIONS CONTROL CENTER,  
TELEX: 8720021, PHONE: 656 226 5539, FAX: 656 227 9971.

(150720Z MAY 2003)

837/03(63). ARABIAN SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 MAY BY  
M/V TEKNIK PERDANA TOWING 1500 METER LONG CABLE  
IN AREA BOUND BY 21-59N 067-16E, 22-02N 067-18E,  
22-01N 067-21E, 21-58N 067-20E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 835/03(73,74), VESSEL LOCATED SAFE.
3. CANCEL THIS MSG 01 JUN.

(150750Z MAY 2003)

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 15 May 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

### SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 15 May 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

## MARINE INFORMATION

**SOUTHERN RED SEA - EAST OF JABAL ZUQUAR ISLAND AND  
WEST AND SOUTH OF HANISH AL KUBRA ISLAND NEW TRAFFIC SEPARATION SCHEMES**

The following new IMO traffic separation schemes will come into effect at 0001 GMT 1 July, 2003.

Description of the traffic separation scheme east of Jabal Zuqar (WGS 84 Datum).

The direction of navigation will be:

a southbound traffic lane, 140°(T) as far as the turning line abeam of the 18.3 m shoal, thence 166°(T) to the southern limit of the scheme.

a northbound traffic lane, 346°(T) as far as the turning line abeam of the 18.3m shoal, thence 320°(T) to the northern limit of the scheme.

A separation zone bound by the following positions:

14° 07'.28 N 042° 45'.96 E  
14° 02'.76 N 042° 49'.85 E  
13° 58'.21 N 042° 51'.00 E  
13° 58'.55 N 042° 52'.30 E  
14° 03'.76 N 042° 51'.00 E  
14° 08'.27 N 042° 47'.10 E

A traffic lane for southbound traffic between the separation zone and a line connecting the following positions:

14° 06'.49 N 042° 44'.98 E  
14° 01'.93 N 042° 48'.94 E  
13° 57'.97 N 042° 49'.95 E

A traffic lane for northbound traffic between the separation zone and a line connecting the following positions:

14° 09'.40 N 042° 48'.42 E  
14° 04'.88 N 042° 52'.35 E  
13° 58'.94 N 042° 53'.83 E

Charts affected: 62295, 62290, 62110, 62001

Description of the new traffic separation scheme west and south of Hanish al Kubra (WGS 84 Datum):

The direction of navigation will be:

a southbound traffic lane, 154°(T) as far as the turning line between the Three Foot Rock and the Haycock Islands, thence 123°(T) to the eastern limit of the scheme.

a northbound traffic lane, 309°(T) as far as the turning line between the Three Foot Rock and the Haycock Islands, thence 333°(T) to the northern limit of the scheme.

A separation zone bounded by a line connecting the following positions:

13° 38'.33 N 042° 31'.78 E  
13° 30'.95 N 042° 35'.60 E  
13° 26'.61 N 042° 42'.18 E  
13° 29'.12 N 042° 44'.22 E  
13° 33'.20 N 042° 39'.08 E  
13° 40'.15 N 042° 35'.50 E

**SECTION III**

A traffic lane for southbound traffic between the separation zone and a line connecting the following positions:

13° 37'.40 N 042° 29'.93 E  
 13° 29'.82 N 042° 33'.88 E  
 13° 25'.22 N 042° 41'.05 E

A traffic lane for northbound traffic between the separation zone and a line connecting the following positions:

13° 40..82 N 042° 36..90 E  
 13° 34..06 N 042° 40..38 E  
 13° 30..25 N 042° 45..18 E

Charts affected: 62110, 62290, 62001

**STRAIT OF BAB EL MANDEBAMENDMED TRAFFIC SEPARATION SCHEME**

The following new IMO traffic separation schemes will come into effect at 0001 GMT 1 July, 2003.

Description of the traffic separation scheme east of Jabal Zuqar (WGS 84 Datum).

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14° 09'.40 N 042° 48'.42 E  
 14° 04'.88 N 042° 52'.35 E  
 13° 58'.94 N 042° 53'.83 E

Charts affected: 62295, 62290, 62110, 62001

Description of the new traffic separation scheme west and south of Hanish al Kubra (WGS 84 Datum):

The direction of navigation will be:

a southbound traffic lane, 154°(T) as far as the turning line between the Three Foot Rock and the Haycock Islands, thence 123°(T) to the eastern limit of the scheme.

### **SECTION III**

**NM 22/03**

a northbound traffic lane, 309°(T) as far as the turning line between the Three Foot Rock and the Haycock Islands, thence 333°(T) to the northern limit of the scheme.

A separation zone bounded by a line connecting the following positions:

13° 38'.33 N 042° 31'.78 E  
13° 30'.95 N 042° 35'.60 E  
13° 26'.61 N 042° 42'.18 E  
13° 29'.12 N 042° 44'.22 E  
13° 33'.20 N 042° 39'.08 E  
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13° 34..06 N 042° 40..38 E  
13° 30..25 N 042° 45..18 E

Charts affected: 62110, 62290, 62001

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

## **MARINE INFORMATION REPORT AND SUGGESTION SHEET**

Observer \_\_\_\_\_ Ship/Organization \_\_\_\_\_

Address \_\_\_\_\_

Email address

Date of Observation \_\_\_\_\_ Time of Observation (Local)\_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Product(s) Affected \_\_\_\_\_ Edition \_\_\_\_\_

Latest correction applied: N.M. \_\_\_\_\_

Sounding sensor or method used

Sounding(s) corrected for draft: Yes No

Details of Information Reported (continue on additional sheets as necessary) \_\_\_\_\_

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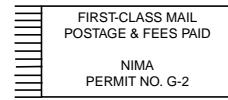
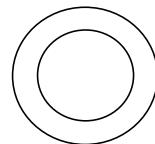
Digitized by srujanika@gmail.com

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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## ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer \_\_\_\_\_

**Ship/Organization** \_\_\_\_\_

Phone \_\_\_\_\_ Email Address\_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

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Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

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[View Details](#) | [Edit](#) | [Delete](#)

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Verified by Navigator: Yes No

Bounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary). \_\_\_\_\_

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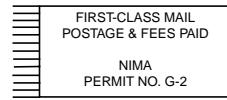
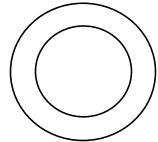
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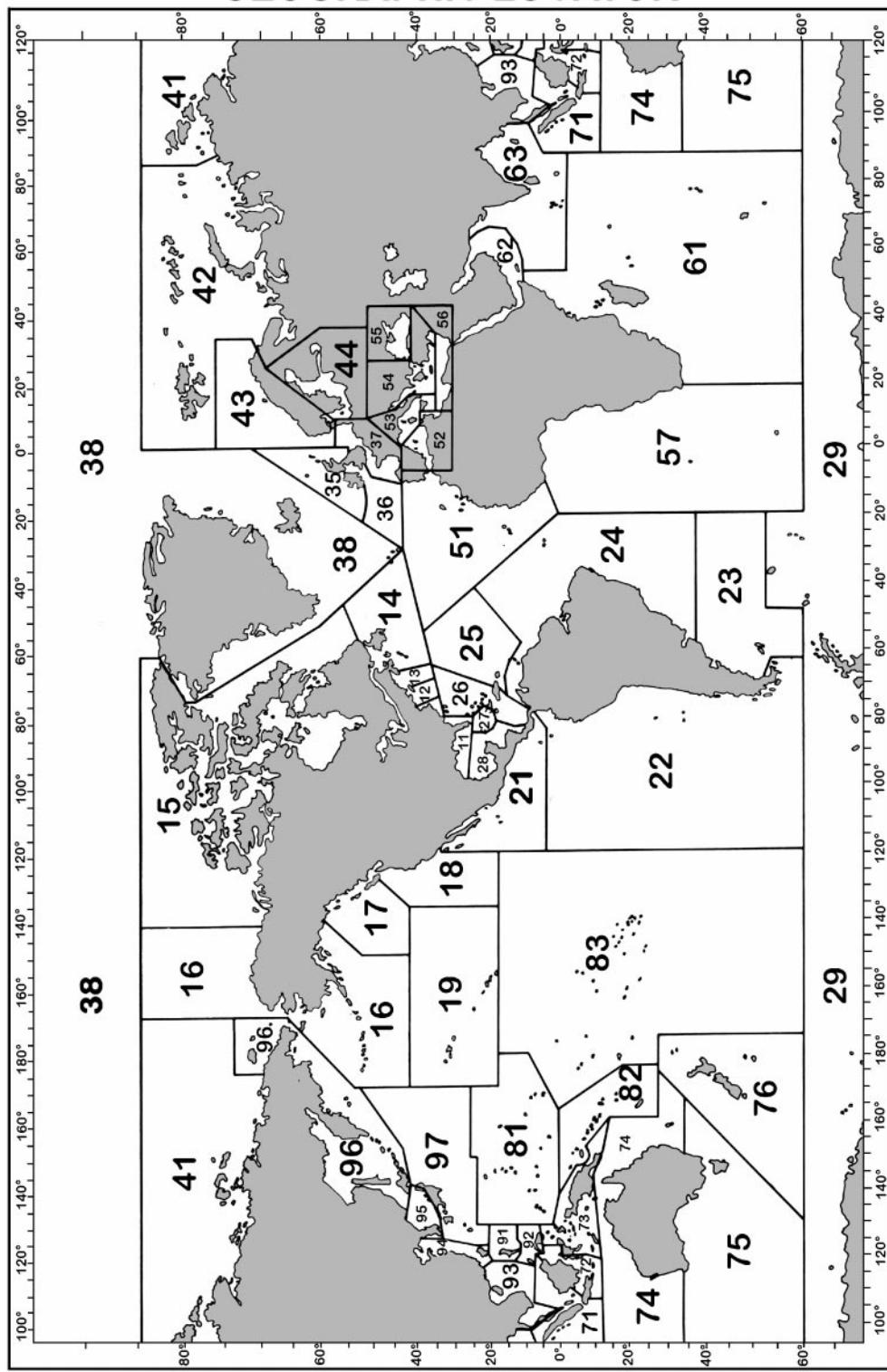
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**MARITIME SAFETY INFORMATION DIVISION  
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## GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

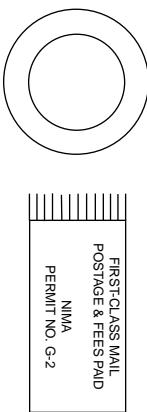
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT  
NAVIGATIONAL INFORMATION  
TIME-DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**